

## LNPTM STAT-KONTM COMPOUND DX13301C

## **DESCRIPTION**

LNP STAT-KON DX13301C compound is based on Polycarbonate (PC) resin containing proprietary fillers. Added features of this grade include: Electrically Conductive, LNP Clean Compounding Technology.

## **TYPICAL PROPERTY VALUES**

Revision 20231109

MECHANICAL (**)         Ternile Modulus, 5 mm/min         3000         MPa         ASTM D638           Tensile Stress, byld, Type I, 5 mm/min         64         MPa         ASTM D638           Tensile Stress, type I, 5 mm/min         49         %         ASTM D638           Tensile Strain, bylt, Type I, 5 mm/min         49         %         ASTM D638           Tensile Strain, bylt, Type I, 5 mm/min         20         %         ASTM D638           Tensile Strain, bylt, Type I, 5 mm/min         31         MPa         150 527           Tensile Strain, bylt, Type I, 5 mm/min         49         %         150 527           Tensile Strain, bylt, 5 mm/min         49         %         150 527           Tensile Strain, bylt, 5 mm/min         49         %         150 527           Tensile Strain, bylt, 5 mm/min         49         %         150 527           Tensile Strain, bylt, 5 mm/min         49         %         150 527           Tensile Strain, bylt, 5 mm/min         49         %         150 527           Tensile Strain, bylt, 5 mm/min         49         %         150 72           Tensile Strain, bylt, 5 mm/min         49         %         150 72           Tensile Strain, bylt, 5 mm/min         49         %         150 72	PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Tersile Stress, brd, Type I, S mm/min         64         Mean         ASTM D683           Tersile Strass, brk, Type I, S mm/min         49         ASTM D683           Tersile Strain, lydt, Type I, S mm/min         20         ASTM D683           Tersile Strain, brk, Type I, S mm/min         20         Mean         ASTM D683           Tersile Strain, brink, Type I, S mm/min         20         Mean         105 27           Tersile Strain, bred, 5 mm/min         54         Mean         105 27           Tersile Strain, pied, 5 mm/min         49         8         105 27           Tersile Strain, pied, 5 mm/min         49         8         105 27           Tersile Strain, pied, 5 mm/min         49         8         105 27           Tersile Strain, pied, 5 mm/min         49         8         105 27           Tersile Strain, pied, 5 mm/min         49         8         105 27           Tersile Strain, pied, 5 mm/min         49         8         105 27           Tersile Strain, pied, 6 mm/min         49         8         105 27           Tersile Strain, pied, 6 mm/min         49         107 28         107 28           Tersile Strain, pied, 6 mm/min         40         10         10 28           Tersile Strain, pied, 6 mm/min	MECHANICAL (1)			
Tersile Stress, brk, Type I, 5 mm/min         54         MPa         ASTM D68A           Tersile Strain, Jrk, Type I, 5 mm/min         49         8         ASTM D68A           Tersile Strain, Jrk, Type I, 5 mm/min         29         MPa         D5527           Tersile Modulus, 1 mm/min         910         MPa         05 527           Tersile Stress, Dreak, 5 mm/min         54         MPa         05 527           Tersile Strain, Jreak, 5 mm/min         29         MPa         05 527           Tersile Strain, Dreak, 5 mm/min         29         MPa         05 527           Tersile Strain, Jreak, 5 mm/min         29         MPa         05 527           Tersile Strain, Jeak, 5 mm/min         29         MPa         05 527           Tersile Strain, Jeak, 5 mm/min         20         MPa         05 527           Tersile Strain, Jeak, 5 mm/min         20         MPa         05 527           Tersile Strain, Jeak, 5 mm/min         20         MPa         05 527           Tersile Strain, Jeak, 5 mm/min         20         MPa         05 527           Tersile Strain, Jeak, 5 mm/min         20         05 527         05 527           Tersile Strain, Juka, 5 mm/min         30         05 52         05 527         05 52         05 52 <td>Tensile Modulus, 5 mm/min</td> <td>3000</td> <td>MPa</td> <td>ASTM D638</td>	Tensile Modulus, 5 mm/min	3000	MPa	ASTM D638
Torsile Strain, Inf. Type I, 5 mm/min         49         Karba         ASTM D68A           Tensile Strain, Inf. Type I, 5 mm/min         20         Ma         D5027           Tensile Strain, Inf. Type I, 5 mm/min         63         Ma         D527           Tensile Strain, Jeld, 5 mm/min         54         MP         D527           Tensile Strain, Jeld, 5 mm/min         49         \$         D527           Tensile Strain, Jeld, 5 mm/min         290         MP         D579           Tensile Strain, Jeld, 5 mm/min         20         D79         D79           Tensile Strain, Jeld, 5 mm/min         20         D78         D78           Tensile Strain, Jeld, 5 mm/min         D8         D8         D8         D78         D78           Tensile Str	Tensile Stress, yld, Type I, 5 mm/min	64	MPa	ASTM D638
Tensile Strain, br.k, Type 1,5 mm/min         90         %         ASTM D638           Tensile Modulus, 1 mm/min         290         Ma         50.527           Tensile Stress, yeld, 5 mm/min         54         Ma         50.527           Tensile Stress, break, 5 mm/min         49         50.527         50.527           Tensile Strain, break, 5 mm/min         29         35         50.527           Tensile Strain, break, 5 mm/min         290         Ma         50.527           Tensile Strain, break, 5 mm/min         290         Ma         50.527           Tensile Strain, break, 5 mm/min         290         Ma         50.74           Tensile Strain, break, 5 mm/min         290         Ma         50.74           Tensile Strain, break, 5 mm/min         20         30.00         370.00           Tensile Strain, break, 5 mm/min         20         30.00         370.00           Tensile Strain, break, 5 mm/min         20         30.00         30.78           Tensile Strain, break, 5 mm/min         20         30.00         30.78           Tensile Strain, break 5 mm/min         40         30.00         30.78           Tensile Strain, break 5 mm/min         40         30.00         30.00           Tensur's Law 5 mm/min<	Tensile Stress, brk, Type I, 5 mm/min	54	MPa	ASTM D638
Tensile Modulus, 1 mm/min         9010         MPa         60527           Tensile Stress, yield, 5 mm/min         63         MPa         60527           Tensile Stress, break, 5 mm/min         49         80         80527           Tensile Strain, break, 5 mm/min         49         80         80527           Tensile Strain, break, 5 mm/min         20         MPa         80527           Flexural Modulus         2800         MPa         80570           Flexural Modulus         270         MPa         80570           Flexural Modulus         100         MPa         80570           Flexural Modulus         270         MPa         80570           Flexural Stress         100         MPa         80570           Boulus Aller         100         90         80510           Boulus Aller         100         90         80510           Boulus Aller         200         90         80510           Boulus Aller         100         90         90         90 <td>Tensile Strain, yld, Type I, 5 mm/min</td> <td>4.9</td> <td>%</td> <td>ASTM D638</td>	Tensile Strain, yld, Type I, 5 mm/min	4.9	%	ASTM D638
Tensile Stress, yield, 5 mm/min         63         MPa         SO 527           Tensile Strain, yield, 5 mm/min         49         80         527           Tensile Strain, yield, 5 mm/min         49         8         50 527           Tensile Strain, yield, 5 mm/min         49         8         50 527           Tensile Strain, yield, 5 mm/min         290         MPa         50 527           Tensile Strain, yield, 5 mm/min         290         MPa         50 750           Tensile Strain, yield, 5 mm/min         290         MPa         50 170           Tensile Strain, yield, 5 mm/min         290         MPa         50 170           Flexural Modulus         290         MPa         50 170           Flexural Modulus         200         MPa         50 178           Tensile Strain, yield, 5 mm/min         30 170         30 178           Burnal Modulus         20 170         30 178         30 178           Burnal Modulus         20 170         30 178         30 178           Burnal Modulus         30 170         30 178         30 178           Burnal Modulus         30 170         31 170         31 170         31 170         31 170         31 170         31 170         31 170         31 170	Tensile Strain, brk, Type I, 5 mm/min	20	%	ASTM D638
Tensile Streis, break, 5 mm/min         54         MPa         10527           Tensile Strain, yield, 5 mm/min         4.9         8         10527           Tensile Strain, break, 5 mm/min         20         8         10527           Flexural Modulus         2770         MPa         SID 178           Flexural Stress         10         MPa         105178           Impact Place of Modulus         2770         MPa         105178           Flexural Stress         10         MPa         105178           Impact Place of Modulus         2770         MPa         105178           Impact Stress         10         10         MPa         105178           Impact Modulus         2770         MPa         105178         105178           Impact Modulus         20         10         20         1078         20         1078         20         10         20	Tensile Modulus, 1 mm/min	2910	MPa	ISO 527
Tensile Strain, yield, 5 mm/min         49.0         80.0527           Tensile Strain, break, 5 mm/min         20.0         8         50.527           Flexural modulus         289.0         MPa         ATM 709.0           Flexural Stress         100.0         MPa         10.178.0           Flexural Stress         100.0         MPa         10.178.0           MPACT ************************************	Tensile Stress, yield, 5 mm/min	63	MPa	ISO 527
Fersile Strain, break, 5 mm/min         20         8         50 527           Flexural modulus         2890         MPa         ASTM D790           Flexural Modulus         2770         MPa         50 178           Flexural Stress         10         MPa         50 178           Impact 10         MPa         50 178           Impact 10         MPa         50 178           Izod Impact, notched, 23°C         8         1/m         ASTM D256           Izod Impact, notched, 23°C         18         1/m         ASTM D4812           Izod Impact, notched, 23°C         8         1/m         ASTM D4812           Izod Impact, notched, 23°C         9         1/m         ASTM D4812           Izod Impact, notched, 23°C         8         1/m         ASTM D4812           Izod Impact, notched, 23°C         9         ASTM D4812           Izod Impact, notched, 23°C         8         1/m         ASTM D4812           Izod Impact, notched, 23°C         8         <	Tensile Stress, break, 5 mm/min	54	MPa	ISO 527
Flexural modulus         2890         MPa         ASTM D790           Flexural Modulus         2770         MPa         150 178           Flexural Stress         100         MPa         150 178           IMPACT <sup>(1)</sup> 350 178         150 178           Impact, notched, 23°C         61         1/m         ASTM D4512           Izod Impact, unotched, 23°C         48         1/m         ASTM D4512           Izod Impact, unotched 80°10°4+23°C         48         1/m         S0 180/17           Izod Impact, unotched 80°10°4+23°C         75         41/m²         50 180/17           MUltiakial Impact         38         2         50 180/17           Ibot Impact, unotched 80°10°4+23°C         75         80         70         80           HDT, 41, 8 Mra Flatw 80°10°4 92°C         80         85 170         80         80         80         80         80         80         80         80         80         80         80         80	Tensile Strain, yield, 5 mm/min	4.9	%	ISO 527
Flexural Modulus         2770         MPa         150 178           Flexural Stress         100         MPa         150 178           IMPACT <sup>(1)</sup> V         V           Izod Impact, notched, 23°C         8         J/m         ASTM D256           Izod Impact, unnotched, 23°C         8         J/m         ASTM D4812           Izod Impact, unnotched 80°10°4 + 23°C         41         J/m²         SO 180/10           Izod Impact, unnotched 80°10°4 + 23°C         75         I/m²         SO 180/10           Multiaxial Impact         3         3         50 180/10         10           HDT, 1.8 MPa, 3.2mm, unannealed         133         °         ASTM D648           HDT, 1.8 MPa, 3.2mm, unannealed         142         °         ASTM D648           HDT, 1.8 MPa Flatw 80°10°4 sp=64mm         142         °         SO 75/16           HDT, 1.8 MPa Flatw 80°10°4 sp=64mm         142         °         SO 75/16           CE-30°c to 30°c, flow         50 25/16         3         MTM R818           CE-30°c to 30°c, flow         50 25/16         3         MTM R818           CE-30°c to 30°c, flow         12         2         ASTM D792           CE-30°c to 30°c, flow         12         3         MTM	Tensile Strain, break, 5 mm/min	20	%	ISO 527
Fleward Stress         100         MPa         10 178           IMPACT <sup>(1)</sup> 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Flexural modulus	2890	MPa	ASTM D790
ImpACT <sup>(1)</sup> Izod Impact, notched, 23°C         61         J/m         ASTM D256           Izod Impact, unnotched, 23°C         NB         J/m         ASTM D4812           Izot Impact, unnotched 80°10°4 + 23°C         7.5         kJ/m²         ISO 180/1A           Izod Impact, unnotched 80°10°4 + 23°C         NB         kJ/m²         ISO 180/1A           Izod Impact, unnotched 80°10°4 + 23°C         NB         kJ/m²         ISO 180/1A           Izod Impact, unnotched 80°10°4 + 23°C         NB         kJ/m²         ISO 180/1A           Izod Impact, unnotched 80°10°4 + 23°C         NB         kJ/m²         ISO 180/1A           Izod Impact, unnotched 80°10°4 + 23°C         NB         kJ/m²         ISO 180/1A           Izod Impact, unnotched 80°10°4 + 23°C         NB         kJ/m²         ISO 603           Izod Impact, unnotched 80°10°4 + 23°C         ASTM D648         STM D648           Izot Impact, unnotched 80°10°4 + 23°C         ASTM D648         STM D648           Izot Impact, unnotched 80°10°4 + 23°C         ASTM D648         STM D648           IbUT, 18 MPa, 3.2 mm, unnotched 80°10°4 spedam         12         SC 95         ASTM D648           IbUT, 18 MPa, 18 w 80°10°4 spedam         12         SC 95         ASTM E83           IbUT, 18 M	Flexural Modulus	2770	MPa	ISO 178
Izod Impact, notched, 23°C         61         J/m         ASTM D256           Izod Impact, unnotched, 23°C         NB         J/m         ASTM D4812           Instrumented Dart Impact Total Energy, 23°C         41         J         ASTM D3763           Izod Impact, notched 80°10°4 + 23°C         7.5         J/m²         150 180/14           Izod Impact, unnotched 80°10°4 + 23°C         NB         J/m²         150 180/14           Multiaxial Impact         38         J/m²         150 180/14           HOTL, 1.8 MPa, 3.2 mm, unannealed         133         °C         ASTM D648           HDT, 1.8 MPa, 3.2 mm, unannealed         142         °C         ASTM D648           HDT/M, 1.8 MPa Flatus 80°10°4 sp=64mm         142         °C         ASTM D648           HDT/M, 1.8 MPa Flatus 80°10°4 sp=64mm         142         °C         ASTM E331           CTE, 30°C to 30°C, flow         6.26-05         1/°C         ASTM E331           CTE, 30°C to 30°C, flow         8.06-05         1/°C         ASTM E331           Public Gravity         1.25         3.5         3.5         3.5           Descrific Gravity         2.5         3.5         3.5         3.5         3.5           Mold Shrinkage, flow, 24 hrs (2)         3.6         3.5 <td>Flexural Stress</td> <td>100</td> <td>MPa</td> <td>ISO 178</td>	Flexural Stress	100	MPa	ISO 178
Izod Impact, unnotched, 23°C         NB         J/m         ASTM D4812           Instrumented Dart Impact Total Energy, 23°C         41         J         ASTM D3763           Izod Impact, notched 80°10°4 + 23°C         7.5         kl/m²         ISO 180/11           Izod Impact, unnotched 80°10°4 + 23°C         NB         kl/m²         ISO 180/11           Multiaxial Impact         38         J/m²         ISO 6603           THERMAL (*)         ************************************	IMPACT (1)			
Instrumented Dart Impact Total Energy, 23°C         41         J         ASTM D3763           Izod Impact, notched 80°10°4 + 23°C         7.5         kJ/m²         ISO 180/1A           Izod Impact, unnotched 80°10°4 + 23°C         NB         kJ/m²         ISO 180/1U           Multiaxial Impact         38         J         ISO 6603           THERMAL (*)         ***         ***         ASTM D648           HDT, 18 MPa, 3.2 mm, unannealed         133         °C         ASTM D648           HDT, 0.45 MPa, 3.2 mm, unannealed         142         °C         ASTM D648           HDT/JAf, 1.8 MPa Flatw 80°10°4 sp=64mm         131         °C         ISO 75/JAf           HDT/JBf, 0.45 MPa Flatw 80°10°4 sp=64mm         42         °C         ISO 75/JAf           CTE, -30°C to 30°C, flow         6.2E-05         1/°C         ASTM B831           CTE, -30°C to 30°C, flow         5.2E-05         1/°C         ASTM E831           CTE, -30°C to 30°C, xflow         1.25         ASTM D792           Positic Gravity         1.25         ASTM D792           Positic Gravity         2.2         ASTM D792           Mold Shrinkage, flow, 24 hrs <sup>(2)</sup> 0.8         ASTM D955           Mold Shrinkage, xflow, 24 hrs <sup>(2)</sup> 0.8         ASTM D570 <td>Izod Impact, notched, 23°C</td> <td>61</td> <td>J/m</td> <td>ASTM D256</td>	Izod Impact, notched, 23°C	61	J/m	ASTM D256
Izod Impact, notched 80°10°4 +23°C         7.5         Ixid Impact         Ixid Impact         Ixid Impact         Ixid Inpact         Ixid In	Izod Impact, unnotched, 23°C	NB	J/m	ASTM D4812
Izod Impact, unnotched 80°10°4 + 23°C         NB         kJ/m²         ISO 180/1U           Multiaxial Impact         38         J         SO 6603           THERMAL (1)           THERMAL (1)           HDT, 1.8 MPa, 3.2 mm, unannealed         133         °C         ASTM D648           HDT, 0.45 MPa, 3.2 mm, unannealed         142         °C         ASTM D648           HDT/Bf, 0.45 MPa Flatw 80°10°4 sp=64mm         142         °C         ISO 75/Bf           CTE, 30°C to 30°C, flow         6.2E-05         1/°C         ASTM E831           CTE, 30°C to 30°C, xflow         6.3E-05         1/°C         ASTM E831           CTE, 30°C to 30°C, xflow         1.25         ASTM D792           Decific Gravity         1.25         9/cm³         ASTM D792           Density         0.74         %         ASTM D955           Mold Shrinkage, xflow, 24 hrs (2)         0.85         %         ASTM D955           Mold Shrinkage, xflow, 24 hrs (2)         0.15         %         ASTM D570           Moisture Absorption, (23°C/50% RH/24 hrs)         0.23         %         ASTM D570	Instrumented Dart Impact Total Energy, 23°C	41	J	ASTM D3763
Multiaxial Impact         38         J         150 6603           THERMAL (¹)         THERMAL (¹)         C         ASTM D648           HDT, 1.8 MPa, 3.2 mm, unannealed         133         °C         ASTM D648           HDT, 0.45 MPa, 3.2 mm, unannealed         142         °C         ASTM D648           HDT/JAf, 1.8 MPa Flatw 80*10*4 sp=64mm         131         °C         150 75 /Af           HDT/JBf, 0.45 MPa Flatw 80*10*4 sp=64mm         42         °C         ASTM E831           CTE, -30°C to 30°C, flow         6.2e-05         1/°C         ASTM E831           CTE, 30°C to 30°C, xflow         6.3e-05         1/°C         ASTM E831           CTE, 30°C to 30°C, xflow         2.2e-05         1/°C         ASTM E831           PMSICAL (¹)         2         ASTM D792           PMSICAL (¹)         2         ASTM D792           Poensity         1.25         3         ASTM D792           Mold Shrinkage, flow, 24 hrs (²)         0.74         \$         ASTM D955           Mold Shrinkage, xflow, 24 hrs (²)         0.85         \$         ASTM D950           Moisture Absorption (23°C/50% RH/24 hrs)         0.23         \$         ASTM D570	Izod Impact, notched 80*10*4 +23°C	7.5	kJ/m²	ISO 180/1A
THERMAL (1)           THERMAL (1)           HDT, 1.8 MPa, 3.2 mm, unannealed         133         °C         ASTM D648           HDT, 0.45 MPa, 3.2 mm, unannealed         142         °C         ISO 75 /Af           HDT/Bf, 0.45 MPa Flatw 80°10°4 sp=64mm         142         °C         ISO 75 /Bf           CTE, -30°C to 30°C, flow         6.2E-05         1/°C         ASTM E831           CTE, -30°C to 30°C, xflow         6.3E-05         1/°C         ASTM E831           CTE, -30°C to 30°C, xflow         6.3E-05         1/°C         ASTM E831           CTE, -30°C to 30°C, xflow         1.2E         ASTM D792           PHYSICAL (1)           Specific Gravity         1.2E         ASTM D792           Mold Shrinkage, flow, 24 hrs (2)         0.74         8         ASTM D955           Mold Shrinkage, xflow, 24 hrs (2)         0.8E         0.8E         ASTM D950           Mold Shrinkage, xflow, 23°C/50% RH/24 hrs)	Izod Impact, unnotched 80*10*4 +23°C	NB	kJ/m²	ISO 180/1U
HDT, 1.8 MPa, 3.2 mm, unannealed         133         °C         ASTM D648           HDT, 0.45 MPa, 3.2 mm, unannealed         142         °C         ASTM D648           HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm         131         °C         ISO 75/Af           HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm         142         °C         ASTM E831           CTE, 30°C to 30°C, flow         6.2E-05         1/°C         ASTM E831           CTE, 30°C to 30°C, xflow         3.25         X         ASTM D792           PHYSICAL (1)         2.25         9/cm³         ASTM D792           Density         1.25         9/cm³         ASTM D792           Mold Shrinkage, flow, 24 hrs (2)         0.74         %         ASTM D955           Mold Shrinkage, xflow, 24 hrs (2)         0.85         %         ASTM D955           Moisture Absorption (23°C/50% RH/24 hrs)         0.15         %         ASTM D950           Moisture Absorption (23°C/50% RH)         0.23         3.23         Sign D950	Multiaxial Impact	38	J	ISO 6603
HDT, 0.45 MPa, 3.2 mm, unannealed         142         °C         ASTM D648           HDT/Af, 1.8 MPa Flatw 80°10°4 sp=64mm         131         °C         ISO 75/Af           HDT/Bf, 0.45 MPa Flatw 80°10°4 sp=64mm         142         °C         ISO 75/Bf           CTE, -30°C to 30°C, flow         6.2E-05         1/°C         ASTM E831           CTE, -30°C to 30°C, xflow         3.2E-05         1/°C         ASTM E831           PHYSICAL (¹)         ***         ASTM D792           Density         1.25         g/cm³         ASTM D792           Mold Shrinkage, flow, 24 hrs (²)         0.74         %         ASTM D955           Mold Shrinkage, xflow, 24 hrs (²)         0.85         %         ASTM D955           Moisture Absorption, (23°C/50% RH/24 hrs)         0.15         %         ASTM D957           Moisture Absorption (23°C/50% RH)         0.23         %         ASTM D570	THERMAL (1)			
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm 142 °C ISO 75/Af  CTE, -30°C to 30°C, flow 6.2E-05 1/°C ASTM E831  CTE, -30°C to 30°C, xflow 6.3E-05 1/°C ASTM E831  CTE, -30°C to 30°C, xflow 6.3E-05 1/°C ASTM E831  PHYSICAL (1)  Specific Gravity 1.25 2	HDT, 1.8 MPa, 3.2mm, unannealed	133	°C	ASTM D648
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm 142 °C ISO 75/Bf CTE, -30°C to 30°C, flow 6.2E-05 1/°C ASTM E831 CTE, -30°C to 30°C, xflow 6.3E-05 1/°C ASTM E831 CTE, -30°C to 30°C, xflow 12°C Specific Gravity 12°C ASTM E831 PHYSICAL (1) Specific Gravity 1.25 ASTM D792 Density 1.25 9/Cm3 ASTM D792 Density 9/Cm3 ASTM D792 Mold Shrinkage, flow, 24 hrs (2) 0.74 % ASTM D795 Mold Shrinkage, xflow, 24 hrs (2) 0.85 % ASTM D955 Mold Shrinkage, xflow, 24 hrs (2) 0.85 % ASTM D955 Mold Shrinkage, xflow, 24 hrs (2) 0.85 % SS ASTM D950 Moisture Absorption, (23°C/50% RH/24 hrs) 0.23 % SS S	HDT, 0.45 MPa, 3.2 mm, unannealed	142	°C	ASTM D648
CTE, -30°C to 30°C, flow         6.2E-05         1/°C         ASTM E831           CTE, -30°C to 30°C, xflow         6.3E-05         1/°C         ASTM E831           PHYSICAL (1)           Specific Gravity         1.25         -         ASTM D792           Density         1.25         g/cm³         ASTM D792           Mold Shrinkage, flow, 24 hrs (2)         0.74         %         ASTM D955           Mold Shrinkage, xflow, 24 hrs (2)         0.85         %         ASTM D955           Moisture Absorption, (23°C/50% RH/24 hrs)         0.15         %         ASTM D570           Moisture Absorption (23°C / 50% RH)         0.23         %         SO 62	HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	131	°C	ISO 75/Af
CTE, -30°C to 30°C, xflow         6.3E-05         1/°C         ASTM E831           PHYSICAL <sup>(1)</sup> Specific Gravity         1.25         -         ASTM D792           Density         1.25         g/cm³         ASTM D792           Mold Shrinkage, flow, 24 hrs <sup>(2)</sup> 0.74         %         ASTM D955           Mold Shrinkage, xflow, 24 hrs <sup>(2)</sup> 0.85         %         ASTM D955           Moisture Absorption, (23°C/50% RH/24 hrs)         0.15         %         ASTM D570           Moisture Absorption (23°C / 50% RH)         0.23         %         ISO 62	HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	142	°C	ISO 75/Bf
PHYSICAL <sup>(1)</sup> Specific Gravity         1.25         ASTM D792           Bensity         John D792           Mold Shrinkage, flow, 24 hrs <sup>(2)</sup> 0.74         %         ASTM D955           Mold Shrinkage, xflow, 24 hrs <sup>(2)</sup> 0.85         %         ASTM D955           Moisture Absorption, (23°C/50% RH/24 hrs)         0.15         %         ASTM D570           Moisture Absorption (23°C / 50% RH)         0.23         %         ISO 62	CTE, -30°C to 30°C, flow	6.2E-05	1/°C	ASTM E831
Specific Gravity         1.25         - CAM D792           Density         J.25         J.2	CTE, -30°C to 30°C, xflow	6.3E-05	1/°C	ASTM E831
Density         1.25         g/cm³         ASTM D792           Mold Shrinkage, flow, 24 hrs (2)         0.74         %         ASTM D955           Mold Shrinkage, xflow, 24 hrs (2)         0.85         %         ASTM D955           Moisture Absorption, (23°C/50% RH/24 hrs)         0.15         %         ASTM D570           Moisture Absorption (23°C / 50% RH)         0.23         %         ISO 62	PHYSICAL (1)			
Mold Shrinkage, flow, 24 hrs (2)         0.74         %         ASTM D955           Mold Shrinkage, xflow, 24 hrs (2)         0.85         %         ASTM D955           Moisture Absorption, (23°C/50% RH/24 hrs)         0.15         %         ASTM D570           Moisture Absorption (23°C / 50% RH)         0.23         %         ISO 62	Specific Gravity	1.25	-	ASTM D792
Mold Shrinkage, xflow, 24 hrs <sup>(2)</sup> 0.85         %         ASTM D955           Moisture Absorption, (23°C/50% RH/24 hrs)         0.15         %         ASTM D570           Moisture Absorption (23°C / 50% RH)         0.23         %         ISO 62	Density	1.25	g/cm³	ASTM D792
Moisture Absorption, (23°C/50% RH/24 hrs)         0.15         %         ASTM D570           Moisture Absorption (23°C / 50% RH)         0.23         %         ISO 62	Mold Shrinkage, flow, 24 hrs <sup>(2)</sup>	0.74	%	ASTM D955
Moisture Absorption (23°C / 50% RH)         0.23         %         ISO 62	Mold Shrinkage, xflow, 24 hrs <sup>(2)</sup>	0.85	%	ASTM D955
	Moisture Absorption, (23°C/50% RH/24 hrs)	0.15	%	ASTM D570
ELECTRICAL (1)	Moisture Absorption (23°C / 50% RH)	0.23	%	ISO 62
	ELECTRICAL (1)			



PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
Surface Resistivity (3)	1.0E02 – 1.0E06	Ω	ASTM D257
INJECTION MOLDING (4)			
Drying Temperature	121	°C	
Drying Time	4	Hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	304 – 326	°C	
Front - Zone 3 Temperature	321 – 332	°C	
Middle - Zone 2 Temperature	310 – 321	°C	
Rear - Zone 1 Temperature	293 – 304	°C	
Mold Temperature	82 – 110	°C	
Back Pressure	0.17 – 0.34	MPa	
Screw Speed	30 – 60	rpm	

- (1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.
- (2) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.
- (3) Measurement meets requirements as specified in ASTM D4496.
- (4) Injection Molding parameters are only mentioned as general guidelines. These may not apply or may need adjustment in specific situations such as low shot sizes, large part molding, thin wall molding and gas-assist molding.

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