

LNPT™ COLORCOMP™ COMPOUND 9X99415

DESCRIPTION

LNP COLORCOMP 9X99415 compound is based on Polyether Block Amide resin.

GENERAL INFORMATION	
Features	Aesthetics/Visual effects, No PFAS intentionally added
Fillers	Unreinforced
Polymer Types	Polyether Block Amide (PEBA)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Automotive	Automotive Interiors
Consumer	Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance
Electrical and Electronics	Mobile Phone - Computer - Tablets

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, yield, 50 mm/min	22	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	20	%	ISO 527
Tensile Strain, break, 50 mm/min	≥50	%	ISO 527
Tensile Modulus, 1 mm/min	390	MPa	ISO 527
Hardness, Shore D	61	-	ISO 868
IMPACT ⁽¹⁾			
Charpy 23°C, Unnotch Edgew 80*10*4 sp=62mm	NB	kJ/m ²	ISO 179/1eU
Charpy -30°C, Unnotch Edgew 80*10*4 sp=62mm	NB	kJ/m ²	ISO 179/1eU
Charpy 23°C, V-notch Edgew 80*10*4 sp=62mm	120	kJ/m ²	ISO 179/1eA
Charpy -30°C, V-notch Edgew 80*10*4 sp=62mm	20	kJ/m ²	ISO 179/1eA
THERMAL ⁽¹⁾			
Melting Temperature	172	°C	ISO 11357-3
Vicat Softening Temp, Rate B/50	164	°C	ISO 306
PHYSICAL ⁽¹⁾			
Density	1.01	g/cm ³	ISO 1183
Moisture Absorption (23°C / 50% RH)	1.1	%	ISO 62
Water Absorption, (23°C/24hrs)	0.7	%	ISO 62-1
Mold Shrinkage, flow, 24 hrs ⁽²⁾	1.2	%	ISO 294
Mold Shrinkage, xflow, 24 hrs ⁽²⁾	1.5	%	ISO 294
INJECTION MOLDING ⁽³⁾			
Melt Temperature	260	°C	
Mold Temperature	164	°C	

- (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) 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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