

LNPT[™] LUBRICOMP[™] COMPOUND DP003EH

DL-4530 EM HC

REGION ASIA

DESCRIPTION

LNP LUBRICOMP DP003EH compound is based on Polycarbonate (PC) resin containing 15% PTFE/silicone. Added features of this grade include: Easy Molding, Wear Resistant, Healthcare.

GENERAL INFORMATION	
Features	Good Processability, Wear resistant, Healthcare/Formula lock
Fillers	Unreinforced, PTFE/Silicone
Polymer Types	Polycarbonate (PC)
Processing Techniques	Injection Molding

INDUSTRY	SUB INDUSTRY
Hygiene and Healthcare	Pharmaceutical Packaging and Drug Delivery, Surgical devices, General Healthcare, Patient Testing
Packaging	Industrial Packaging

TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL ⁽¹⁾			
Tensile Stress, yield	46	MPa	ASTM D638
Tensile Stress, break	40	MPa	ASTM D638
Tensile Strain, yield	5	%	ASTM D638
Tensile Strain, break	17	%	ASTM D638
Flexural Stress	77	MPa	ASTM D790
Flexural Modulus	2060	MPa	ASTM D790
IMPACT ⁽¹⁾			
Izod Impact, unnotched, 23°C	1708	J/m	ASTM D4812
Izod Impact, notched, 23°C	128	J/m	ASTM D256
PHYSICAL ⁽¹⁾			
Density	1.25	g/cm ³	ASTM D792
INJECTION MOLDING ⁽²⁾			
Drying Temperature	120	°C	
Drying Time	4	Hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	300 – 315	°C	
Front - Zone 3 Temperature	310 – 320	°C	
Middle - Zone 2 Temperature	305 – 315	°C	
Rear - Zone 1 Temperature	295 – 305	°C	
Mold Temperature	80 – 110	°C	
Back Pressure	0.2 – 0.3	MPa	

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
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) 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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