

LubriOne™ LB 6600-5011 RS Natural

Polyamide 66

PolyOne Corporation

Message:

Molybdenum disulfide modified, Normal heat resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Additive	Molybdenum disulfide lubricant		
Features	Lubrication		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	300	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16500	MPa	ISO 527-2
Tensile Strength	230	MPa	ISO 527
Nominal Tensile Strain at Break	< 2.0	%	ISO 527-2
Flexural Strength	305	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	19	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	95	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	225	°C	ISO 75-2/B
1.8 MPa, not annealed	220	°C	ISO 75-2/A
Melting Temperature	255 - 265	°C	Internal method
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	1.0E+15	ohms	ASTM D257
--	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Dielectric Strength	80	kV/mm	IEC 60243-1
Dielectric Constant	3.70		IEC 60250
Dissipation Factor	0.050		IEC 60250
Comparative Tracking Index	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	80.0 - 90.0	°C
Drying Time	4.0 - 6.0	hr
Rear Temperature	260 - 280	°C
Middle Temperature	260 - 280	°C
Front Temperature	260 - 280	°C
Mold Temperature	65.0 - 85.0	°C

Injection instructions

Injection Pressure: MED-HIGH Hold Pressure: MED-HIGH Screw Speed: MODERATE Back Pressure: LOW

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