

INLUBE PA12GF15TF15

Polyamide 12
Infinity LTL Engineered Compounds

Message:
INLUBE PA12GF15TF15 is a Polyamide 12 (Nylon 12) product filled with 15% glass fiber. It is available in North America. Primary characteristic: lubricated.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Lubricated		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.80	%	
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	80.7	MPa	ASTM D638
Tensile Elongation (Yield)	4.0 to 6.0	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	140	J/m	ASTM D256
Unnotched Izod Impact	640 to 850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	160	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+17	ohms	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	227 to 238	°C	
Mold Temperature	71.1 to 82.2	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	
Vent Depth	0.013 to 0.025	mm	

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