

# TRIMID® N6-G30L

Polyamide 6

Polymer Technology and Services, LLC

Message:

TRIMID® N6-G30L is a Polyamide 6 (Nylon 6) product filled with 30% glass fiber. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: lubricated.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Lubricant		
Features	Lubricated		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	138	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	6900	MPa	ASTM D790
Flexural Strength (Yield)	159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Melting Temperature	216	°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	< 216	°C	
Middle Temperature	227 to 254	°C	
Front Temperature	238 to 266	°C	
Nozzle Temperature	238 to 266	°C	
Processing (Melt) Temp	232 to 271	°C	
Mold Temperature	21.1 to 93.3	°C	
Injection Pressure	82.7 to 172	MPa	
Back Pressure	0.00 to 0.345	MPa	
Screw Speed	40 to 80	rpm	

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