

# TRIMID® N66-S100L

Polyamide 66

Polymer Technology and Services, LLC

Message:

TRIMID® N66-S100L is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: impact resistant.

General Information			
Features	High Impact Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	51.0	MPa	ASTM D638
Tensile Elongation (Break)	55	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	1000	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	68.0	°C	ASTM D648
Melting Temperature	254	°C	
Injection	Nominal Value	Unit	
Drying Temperature	71.1	°C	
Drying Time	4.0	hr	
Rear Temperature	254	°C	
Middle Temperature	268	°C	
Front Temperature	285	°C	
Nozzle Temperature	266 to 282	°C	
Processing (Melt) Temp	271 to 293	°C	
Mold Temperature	26.7 to 93.3	°C	
Injection Pressure	68.9	MPa	
Back Pressure	0.0689 to 0.689	MPa	
Screw Speed	30 to 60	rpm	

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