

PRL NY66-IM2G33

Polyamide 66
Polymer Resources Ltd.

Message:

PRL NY66-IM2G33 is a Polyamide 66 (Nylon 66) product filled with 33% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

RoHS Compliant
Heat Resistant
Impact Modified
Impact Resistant
Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Impact Modifier Lubricant		
Features	High Heat Resistance Impact Modified Lubricated Medium Impact Resistance		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	141	MPa	
Break, 3.18 mm	141	MPa	
Flexural Modulus (3.18 mm)	6890	MPa	ASTM D790
Flexural Strength (Break, 3.18 mm)	204	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	260	°C	
1.8 MPa, Unannealed, 3.18 mm	246	°C	
Injection	Nominal Value	Unit	

Drying Temperature	73.9 to 85.0	°C
Drying Time	3.0 to 4.0	hr
Drying Time, Maximum	8.0	hr
Rear Temperature	293 to 304	°C
Middle Temperature	277 to 288	°C
Front Temperature	271 to 282	°C
Processing (Melt) Temp	288 to 299	°C
Mold Temperature	65.6 to 104	°C

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