

# PRL NY66-IM1G13

Polyamide 66  
Polymer Resources Ltd.

Message:

PRL NY66-IM1G13 is a Polyamide 66 (Nylon 66) product filled with 13% 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,13% 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	1.20	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.50 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	96.5	MPa	
Break, 3.18 mm	96.5	MPa	
Flexural Modulus (3.18 mm)	3960	MPa	ASTM D790
Flexural Strength (Break, 3.18 mm)	159	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	249	°C	
1.8 MPa, Unannealed, 3.18 mm	232	°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	271 to 282	°C
Middle Temperature	277 to 288	°C
Front Temperature	293 to 304	°C
Processing (Melt) Temp	288 to 299	°C
Mold Temperature	65.6 to 104	°C

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#### Recommended distributors for this material

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