

# PRL NY6-M25G15

Polyamide 6  
Polymer Resources Ltd.

Message:

PRL NY6-M25G15 is a Polyamide 6 (Nylon 6) product filled with 15% glass fiber and 25% mineral. It can be processed by injection molding and is available in North America.

Characteristics include:

RoHS Compliant  
Heat Resistant  
Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
	Mineral,25% Filler by Weight		
Additive	Lubricant		
Features	High Heat Resistance		
	Lubricated		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	131	MPa	
Break, 3.18 mm	131	MPa	
Flexural Modulus (3.18 mm)	6890	MPa	ASTM D790
Flexural Strength (3.18 mm)	179	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	227	°C	
1.8 MPa, Unannealed, 3.18 mm	204	°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	232 to 249	°C	

Middle Temperature	243 to 260	°C
Front Temperature	249 to 268	°C
Processing (Melt) Temp	288 to 304	°C
Mold Temperature	82.2 to 104	°C

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Recommended distributors for this material

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