

# PRL NY66-MD1

Polyamide 66  
Polymer Resources Ltd.

Message:

PRL NY66-MD1 is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America.

Characteristics include:

RoHS Compliant

Lubricated

General Information			
Additive	Molybdenum Disulfide Lubricant (1%)		
Features	Lubricated		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.2 to 1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	82.7	MPa	
Break, 3.18 mm	82.7	MPa	
Flexural Modulus (3.18 mm)	3100	MPa	ASTM D790
Flexural Strength (3.18 mm)	117	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	229	°C	
1.8 MPa, Unannealed, 3.18 mm	87.8	°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	266 to 277	°C	
Middle Temperature	271 to 282	°C	
Front Temperature	277 to 288	°C	
Processing (Melt) Temp	277 to 293	°C	
Mold Temperature	65.6 to 93.3	°C	

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#### Recommended distributors for this material

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