

PRL NY66-EX1

Polyamide 66
Polymer Resources Ltd.

Message:

PRL NY66-EX1 is a Polyamide 66 (Nylon 66) product. It can be processed by extrusion and is available in North America.

Characteristics include:

RoHS Compliant

High Viscosity

General Information			
Features	High Viscosity		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 to 1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	86.2	MPa	
Break, 3.18 mm	86.2	MPa	
Flexural Modulus (3.18 mm)	3280	MPa	ASTM D790
Flexural Strength (3.18 mm)	121	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	80	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	
Extrusion	Nominal Value	Unit	
Drying Temperature	73.9 to 85.0	°C	
Drying Time	3.0 to 4.0	hr	
Cylinder Zone 1 Temp.	266 to 271	°C	
Cylinder Zone 2 Temp.	271 to 277	°C	
Cylinder Zone 3 Temp.	277 to 282	°C	
Melt Temperature	277 to 304	°C	
Die Temperature	288	°C	

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