PRL NY66-G43-(color)H

Polyamide 66

Polymer Resources Ltd.

Message:

PRL NY66-G43-(color)H is a Polyamide 66 (Nylon 66) product filled with 43% glass fiber. It can be processed by injection molding and is available in North America.
Characteristics include:
RoHS Compliant
Heat Stabilizer
Lubricated

General Information	
Filler / Reinforcement	Glass Fiber,43% Filler by Weight
Additive	Heat Stabilizer
	Lubricant
Features	Heat Stabilized
	Lubricated
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	200	MPa	
Break, 3.18 mm	200	MPa	
Flexural Modulus (3.18 mm)	11000	MPa	ASTM D790
Flexural Strength (3.18 mm)	276	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	120	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	252	°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	

Recommended distributors for this material

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