

PRL PPX/NY-GP2

Polyphenylene Ether + PS + Nylon

Polymer Resources Ltd.

Message:

PRL PPX/NY-GP2 is a Polyphenylene Ether + PS + Nylon (PPE+PS+Nylon) product. It can be processed by injection molding and is available in North America.

Characteristics include:

RoHS Compliant

Heat Resistant

General Information			
Features	General Purpose		
	Medium Heat Resistance		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/3.8 kg)	10 to 30	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	1.0 to 1.3	%	
Across Flow : 3.18 mm	0.90 to 1.2	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	57.9	MPa	
Break, 3.18 mm	55.2	MPa	
Tensile Elongation (Break, 3.18 mm)	50	%	ASTM D638
Flexural Modulus (3.18 mm)	2210	MPa	ASTM D790
Flexural Strength (3.18 mm)	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	110	J/m	
23°C, 3.18 mm	190	J/m	
Gardner Impact (3.18 mm)	28.2	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	154	°C	
1.8 MPa, Unannealed, 3.18 mm	129	°C	

Vicat Softening Temperature	199	°C	ASTM D1525 ¹
Injection	Nominal Value	Unit	
Drying Temperature	93.3 to 107	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	266 to 302	°C	
Middle Temperature	271 to 302	°C	
Front Temperature	279 to 302	°C	
Processing (Melt) Temp	279 to 302	°C	
Mold Temperature	76.7 to 121	°C	
NOTE			

1. Rate B (120°C/h), Loading 2 (50 N)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

