NORYL PPX™ PPX630 resin

Polyphenylene Ether + PS + PP

SABIC Innovative Plastics

Message:

30% GR PPE+PP. High elongation. high stiffness. NSF Standard 61 Compliant (color limited).

General Information	
UL YellowCard	E121562-221227
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Features	High Elongation High Stiffness
Agency Ratings	NSF 61
Processing Method	Injection Molding
Multi-Point Data	Coefficient of Thermal Expansion vs. Temperature (ASTM E831) Flexural DMA (ASTM D4065) Pressure-Volume-Temperature (PVT - Zoller Method) Shear DMA (ASTM D4065) Specific Heat vs. Temperature (ASTM D3417) Tensile Creep (ASTM D2990) Tensile Stress vs. Strain (ASTM D638) Viscosity vs. Shear Rate (ASTM D3835)

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	2.6	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow : 3.20 mm	0.20 to 0.23	%	
Across Flow : 3.20 mm	0.25 to 0.76	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]			ASTM D638
Yield	79.3	MPa	
Break	79.3	MPa	
Tensile Elongation [2] (Break)	7.7	%	ASTM D638
Flexural Modulus [3] (50.0 mm Span)	5560	MPa	ASTM D790
Flexural Strength [4] (Break, 50.0 mm Span)	130	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C	100	J/m	
23°C	170	J/m	

Unnotched Izod Impact (23°C)	830	J/m	ASTM D4812
Instrumented Dart Impact			ASTM D3763
-30°C, Total Energy	20.4	J	
23°C, Total Energy	19.1	J	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	155	°C	
1.8 MPa, Unannealed, 3.20 mm	134	°C	
Vicat Softening Temperature	162	°C	ASTM D1525 [5]
CLTE			ASTM E831
Flow : -40 to 40°C	1.4E-5	cm/cm/°C	
Transverse : -40 to 40°C	7.7E-5	cm/cm/°C	
RTI Elec	1.50	°C	UL 746
RTI Imp	1.50	°C	UL 746
RTI Str	1.50	°C	UL 746
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.50 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	65.6 to 76.7	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Max Moisture	0.020	%	
Suggested Shot Size	30 to 70	%	
Rear Temperature	243 to 288	°C	
Middle Temperature	249 to 288	°C	
Front Temperature	254 to 293	°C	
Nozzle Temperature	260 to 299	°C	
Processing (Melt) Temp	260 to 299	°C	
Mold Temperature	37.8 to 65.6	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	20 to 100	rpm	
Vent Depth	0.051 to 0.076	mm	
NOTE			
1.	Type I, 5.0 mm/min		
2.	Type I, 5.0 mm/min		
3.	1.3 mm/min		
4.	1.3 mm/min		
5.	Rate B (120°C/h), Loading 2 (50 N)		

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