

SABIC Innovative Plastics NORYL GTX GTX820 PPE+PS+PA (Asia Pacific)

Category : Polymer , Thermoplastic , Nylon , Polyphenylene Ether/PPO , Polystyrene (PS)

Material Notes:

GR 20%. Higher stiffness of 800000 psi (4000 MPa) flexural modulus. Excellent chemical and high heat resistance. Application: valves.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-GTX820-PPEPSA-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	ASTM D792
Density	1.245 g/cc	0.04498 lb/in ³	ASTM D792
Water Absorption	0.50 %	0.50 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Moisture Absorption	1.00 %	1.00 %	50% RH, 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0065 - 0.0085 cm/cm	0.0065 - 0.0085 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength at Break	117 MPa	17000 psi	Type I, 5 mm/min; ASTM D638
Tensile Strength, Yield	117 MPa	17000 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	7.0 %	7.0 %	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	194 MPa	28100 psi	2.6 mm/min, 100 mm span; ASTM D790
Flexural Modulus	5.96 GPa	864 ksi	2.6 mm/min, 100 mm span; ASTM D790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
	0.530 J/cm	0.993 ft-lb/in	
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
	30.6 - 39.6 Åµm/m-Å°C	17.0 - 22.0 Åµin/in-Å°F	

CTE linear Parallel to Flow Thermal Properties	Metric @ Temperature -20.0 - 150 Â°C	English @ Temperature -4.00 - 302 Â°F	ASTM F 831 Comments
Deflection Temperature at 0.46 MPa (66 psi)	254 Â°C @Thickness 6.40 mm	489 Â°F @Thickness 0.252 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	232 Â°C @Thickness 6.40 mm	450 Â°F @Thickness 0.252 in	unannealed; ASTM D648
Vicat Softening Point	248 Â°C	478 Â°F	Rate B/50; ASTM D1525

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China