

SABIC Innovative Plastics Noryl GTX GTX904 PPE+PS+PA

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

Material Notes:

Unreinforced; improved processing; excellent chemical resistance; 320F (160C) HDT. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-GTX-GTX904-PPEPSPA.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D 792
Linear Mold Shrinkage, Flow	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.011 - 0.015 cm/cm	0.011 - 0.015 in/in	annealed; ASTM D 955
	@Treatment Temp. 130 Å°C, Time 3600 sec	@Treatment Temp. 266 Å°F, Time 1.00 hour	
Linear Mold Shrinkage, Transverse	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D 785
Tensile Strength at Break	55.0 MPa	7980 psi	Type I, 50 mm/min; ASTM D 638
Tensile Strength, Yield	60.0 MPa	8700 psi	Type I, 50 mm/min; ASTM D 638
Elongation at Break	49.3 %	49.3 %	Type I, 50 mm/min; ASTM D 638
Elongation at Yield	8.9 %	8.9 %	Type I, 50 mm/min; ASTM D 638
Flexural Yield Strength	93.0 MPa	13500 psi	2.6 mm/min, 100 mm span; ASTM D 790
Flexural Modulus	2.27 GPa	329 ksi	2.6 mm/min, 100 mm span; ASTM D 790
Izod Impact, Notched	1.49 J/cm	2.79 ft-lb/in	ASTM D 256
	@Temperature -40.0 Å°C	@Temperature -40.0 Å°F	
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D 256
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	

Mechanical Properties	2.24 J/cm Metric	4.20 ft-lb/in English	Comments ASTM D 236
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Izod Impact, Unnotched	32.04 J/cm @Temperature 23.0 Â°C	60.02 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812
	32.04 J/cm @Temperature -30.0 Â°C	60.02 ft-lb/in @Temperature -22.0 Â°F	ASTM D 4812
	32.04 J/cm @Temperature -40.0 Â°C	60.02 ft-lb/in @Temperature -40.0 Â°F	ASTM D 4812
Impact Test	31.0 J @Temperature -40.0 Â°C	22.9 ft-lb @Temperature -40.0 Â°F	Instrumented Impact Energy @ peak; ASTM D 3763
	43.0 J @Temperature -30.0 Â°C	31.7 ft-lb @Temperature -22.0 Â°F	Instrumented Impact Energy @ peak; ASTM D 3763
	46.0 J @Temperature 23.0 Â°C	33.9 ft-lb @Temperature 73.4 Â°F	Instrumented Impact Energy @ peak; ASTM D 3763
Taber Abrasion, mg/1000 Cycles	16 @Load 1.00 kg	16 @Load 2.20 lb	CS-17; ASTM D 1044

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 Â°C @Thickness 6.40 mm	320 Â°F @Thickness 0.252 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	125 Â°C @Thickness 6.40 mm	257 Â°F @Thickness 0.252 in	unannealed; ASTM D 648
Vicat Softening Point	238 Â°C	460 Â°F	Rate B/50; ASTM D 1525
UL RTI, Electrical	50.0 Â°C	122 Â°F	UL 746B
UL RTI, Mechanical with Impact	50.0 Â°C	122 Â°F	UL 746B
UL RTI, Mechanical without Impact	50.0 Â°C	122 Â°F	UL 746B
Flammability, UL94	HB @Thickness 1.49 mm	HB @Thickness 0.0587 in	UL 94

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