

SABIC Innovative Plastics NORYL GTX GTX954 PPE+PA (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Nylon , Polyphenylene Ether/PPO

Material Notes:

NORYL GTX954 is an unfilled grade with improved processability and optimised heat/impact balance.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-GTX954-PPEPA-Europe-Africa-Middle-East.php

| Physical Properties | Metric | English | Comments |
|--------------------------------|--|--|---|
| Density | 1.08 g/cc | 0.0390 lb/in ³ | ISO 1183 |
| Moisture Absorption | 1.14 % | 1.14 % | 23 ^o C / 50% RH; ISO 62 |
| Water Absorption at Saturation | 3.5 % | 3.5 % | ISO 62 |
| Linear Mold Shrinkage, Flow | 0.014 - 0.018 cm/cm | 0.014 - 0.018 in/in | on Tensile Bar; SABIC Method |
| Melt Index of Compound | 5.0 g/10 min @Load 2.16 kg, Temperature 280 ^o C | 5.0 g/10 min @Load 4.76 lb, Temperature 536 ^o F | MVR [cm ³ /10 min]; ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--|--|------------------------------------|
| Hardness, H358/30 | 90.0 MPa | 13100 psi | ISO 2039-1 |
| Tensile Strength at Break | 50.0 MPa | 7250 psi | 50 mm/min; ISO 527 |
| Tensile Strength, Yield | 55.0 MPa | 7980 psi | 50 mm/min; ISO 527 |
| Elongation at Break | 40 % | 40 % | 50 mm/min; ISO 527 |
| Elongation at Yield | 4.5 % | 4.5 % | 50 mm/min; ISO 527 |
| Tensile Modulus | 2.20 GPa | 319 ksi | 1 mm/min; ISO 527 |
| Flexural Yield Strength | 75.0 MPa | 10900 psi | 2 mm/min; ISO 178 |
| Flexural Modulus | 2.00 GPa | 290 ksi | 2 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 25.0 kJ/m ² | 11.9 ft-lb/in ² | 80*10*4; ISO 180/1A |
| | 15.0 kJ/m ² @Temperature -30.0 ^o C | 7.14 ft-lb/in ² @Temperature -22.0 ^o F | 80*10*4; ISO 180/1A |
| Charpy Impact, Notched | 2.50 J/cm ² | 11.9 ft-lb/in ² | Edgew 80*10*4 sp=62mm; ISO 179/1eA |
| | 1.50 J/cm ² | 7.14 ft-lb/in ² | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------------------------|----------------------------|------------------------------------|
| | @ Temperature -30.0 Â°C | @ Temperature -22.0 Â°F | Edgew 80*10*4 sp=62mm; ISO 11359-2 |

| Thermal Properties | Metric | English | Comments |
|--|---|--|------------------------------------|
| CTE, linear, Parallel to Flow | 100 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C | 55.6 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F | ISO 11359-2 |
| CTE, linear, Transverse to Flow | 80.0 Âµm/m-Â°C @Temperature 23.0 - 60.0 Â°C | 44.4 Âµin/in-Â°F @Temperature 73.4 - 140 Â°F | ISO 11359-2 |
| Thermal Conductivity | 0.230 W/m-K | 1.60 BTU-in/hr-ftÂ²- Â°F | ISO 8302 |
| Deflection Temperature at 0.46 MPa (66 psi) | 180 Â°C | 356 Â°F | Edgew 120*10*4 sp=100mm; ISO 75/Be |
| Vicat Softening Point | 190 Â°C | 374 Â°F | Rate B/50; ISO 306 |
| | 195 Â°C | 383 Â°F | Rate B/120; ISO 306 |
| | 245 Â°C | 473 Â°F | Rate A/50; ISO 306 |

| Descriptive Properties | Value | Comments |
|-------------------------------------|--------|----------------|
| Ball Pressure Test, 125Â°C +/- 2Â°C | PASSES | IEC 60695-10-2 |

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