

## SABIC Innovative Plastics NORYL GTX GTX975 PPE+PA (Europe-Africa-Middle East)

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

### Material Notes:

NORYL GTX975 is a 18% mineral filled material especially designed for in- or on-line painted exterior automotive trim part, e.g. tankflaps and corner panels. This material combines high stiffness and excellent temperature resistance with conductivity for electrostatic painting in an unique way.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-NORYL-GTX-GTX975-PPEPA-Europe-Africa-Middle-East.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-GTX-GTX975-PPEPA-Europe-Africa-Middle-East.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.011 - 0.013 cm/cm	0.011 - 0.013 in/in	on Tensile Bar; SABIC Method
Melt Index of Compound	10 g/10 min @Load 5.00 kg, Temperature 280 °C	10 g/10 min @Load 11.0 lb, Temperature 536 °F	MVR [cm <sup>3</sup> /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, H358/30	125 MPa	18100 psi	ISO 2039-1
Tensile Strength at Break	65.0 MPa	9430 psi	5 mm/min; ISO 527
Elongation at Break	4.0 %	4.0 %	5 mm/min; ISO 527
Tensile Modulus	4.20 GPa	609 ksi	1 mm/min; ISO 527
Flexural Strength	110 MPa	16000 psi	2 mm/min; ISO 178
Flexural Modulus	4.00 GPa	580 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1A
	4.00 kJ/m <sup>2</sup> @Temperature -30.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	40.0 kJ/m <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	80*10*4; ISO 180/1U
	35.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	16.7 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	80*10*4; ISO 180/1U
Charpy Impact Unnotched	4.00 J/cm <sup>2</sup>	19.0 ft-lb/in <sup>2</sup>	Edgew 80*10*4 sp=62mm; ISO 179/1eU

Mechanical Properties	Metric	English	Comments
	3.50 J/cm <sup>Å</sup> @Temperature -30.0 Å°C	16.7 ft-lb/in <sup>Å</sup> @Temperature -22.0 Å°F	Edgew 80*10*4 sp=62mm; ISO 179/1eU
Charpy Impact, Notched	0.300 J/cm <sup>Å</sup> @Temperature -30.0 Å°C	1.43 ft-lb/in <sup>Å</sup> @Temperature -22.0 Å°F	Edgew 80*10*4 sp=62mm; ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	27.8 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
CTE, linear, Transverse to Flow	65.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	36.1 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
Deflection Temperature at 0.46 MPa (66 psi)	185 Å°C	365 Å°F	Edgew 120*10*4 sp=100mm; ISO 75/Be
Vicat Softening Point	195 Å°C	383 Å°F	Rate B/50; ISO 306
	200 Å°C	392 Å°F	Rate B/120; ISO 306

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 - 10000 ohm-cm	1000 - 10000 ohm-cm	SABIC Method

## Contact Songhan Plastic Technology Co.,Ltd.

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