

SABIC Innovative Plastics Noryl GTX LMX171 PPO/PBT (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polyphenylene Ether/PPO

Material Notes:

Noryl LMX171 is a PPO/PBT blend including conductive agent with a balanced heat/impact property profile. Noryl LMX differentiate from Noryl GTX by a lower moisture uptake (0.15%). This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Noryl-GTX-LMX171-PPOPBT-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.15 %	0.15 %	23 ^o C / 50% RH; ISO 62
Viscosity	200000 cP @Temperature 282 ^o C	200000 cP @Temperature 540 ^o F	melt; 1500 sec-1; ISO 11443
Linear Mold Shrinkage, Flow	0.022 - 0.026 cm/cm	0.022 - 0.026 in/in	on tensile bar; SABIC Method
Melt Flow	25 g/10 min @Load 10.0 kg, Temperature 280 ^o C	25 g/10 min @Load 22.0 lb, Temperature 536 ^o F	[cm ³ /10 min] Melt Volume Rate; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	42.0 MPa	6090 psi	50 mm/min; ISO 527
Tensile Strength, Yield	50.0 MPa	7250 psi	50 mm/min; ISO 527
Elongation at Break	25 %	25 %	50 mm/min; ISO 527
Elongation at Yield	4.0 %	4.0 %	50 mm/min; ISO 527
Tensile Modulus	2.00 GPa	290 ksi	1 mm/min; ISO 527
Flexural Yield Strength	70.0 MPa	10200 psi	2 mm/min; ISO 178
Flexural Modulus	2.00 GPa	290 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ² @Temperature -30.0 ^o C	3.81 ft-lb/in ² @Temperature -22.0 ^o F	80*10*4; ISO 180/1A
	13.0 kJ/m ² @Temperature 23.0 ^o C	6.19 ft-lb/in ² @Temperature 73.4 ^o F	80*10*4; ISO 180/1A

Mechanical Properties	Metric	English	Comments
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	1.50 J/cm ²	7.14 ft-lb/in ²	V-notch Edgew 80*10*4 sp=62mm; ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Impact Test	70.0 J	51.6 ft-lb	Multiaxial Impact; ISO 6603

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	120 Âµm/m-Â°C	66.7 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	
CTE, linear, Transverse to Flow	120 Âµm/m-Â°C	66.7 Âµin/in-Â°F	ISO 11359-2
	@Temperature 23.0 - 60.0 Â°C	@Temperature 73.4 - 140 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	154 Â°C	309 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Bf
Vicat Softening Point	163 Â°C	325 Â°F	Rate B/50; ISO 306
	163 Â°C	325 Â°F	Rate B/120; ISO 306

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