

NORYL GTX™ GTX626 resin

Polyphenylene Ether + PS + Nylon

SABIC Innovative Plastics

Message:

Blowmolding and extrusion. High heat and chemical resistant.

General Information	
UL YellowCard	E121562-220758
Features	Good chemical resistance
	Heat resistance, high
Processing Method	Extrusion blow molding
Multi-Point Data	Coefficient of Thermal Expansion vs. Temperature (ASTM E831)
	Flexural DMA (ASTM D4065)
	Specific Heat vs. Temperature (ASTM D3417)
	Tensile Fatigue
	Tensile Stress vs. Strain (ASTM D638)
	Thermal Conductivity vs. Temperature (ASTM E1530)

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.3 - 1.4	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	62.1	MPa	ASTM D638
Tensile Elongation ² (Break)	83	%	ASTM D638
Flexural Modulus ³ (100 mm Span)	2280	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 100 mm Span)	95.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	120	J/m	ASTM D256
23°C	340	J/m	ASTM D256
Instrumented Dart Impact			ASTM D3763
-30°C, Energy at Peak Load	36.6	J	ASTM D3763
23°C, Energy at Peak Load	31.2	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	179	°C	ASTM D648
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI	50.0	°C	UL 746

Flammability	Nominal Value	Test Method
Flame Rating (1.50 mm)	HB	UL 94

Extrusion	Nominal Value	Unit
Drying Temperature	79.4	°C
Drying Time	4.0	hr
Cylinder Zone 1 Temp.	271 - 282	°C
Cylinder Zone 2 Temp.	271 - 282	°C
Cylinder Zone 3 Temp.	271 - 282	°C
Cylinder Zone 4 Temp.	271 - 282	°C
Cylinder Zone 5 Temp.	277 - 288	°C
Adapter Temperature	277 - 288	°C
Die Temperature	277 - 288	°C

Extrusion instructions

Drying Time (Cumulative): 16 hrs
Head - Zone 6 - Top Temperature: 277 - 288 °C
Head - Zone 7 - Bottom Temperature: 277 - 288 °C
Melt Temperature (Parison): 277 - 288 °C
Mold Temperature: 79 °C

NOTE

1. Type 1, 50mm/min
2. Type 1, 50mm/min
3. 2.6 mm/min
4. 2.6 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT