

NORYL GTXTM RESIN GTX626

REGION AMERICAS

DESCRIPTION

NORYL GTXTM 626 resin is a non-reinforced alloy of Polyphenylene Ether (PPE) + Polyamide (PA). This blow moldable and extrudable grade exhibits high heat resistance and excellent chemical resistance. NORYL GTX626 resin may be an excellent candidate for exterior automotive applications such as wheel covers and wheel trim.

TYPICAL PROPERTY VALUES

Revision 20190213

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	62	MPa	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	83	%	ASTM D 638
Flexural Stress, yld, 2.6 mm/min, 100 mm span	95	MPa	ASTM D 790
Flexural Modulus, 2.6 mm/min, 100 mm span	2270	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	336	J/m	ASTM D 256
Izod Impact, notched, -30°C	122	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	31	J	ASTM D 3763
Instrumented Impact Energy @ peak, -30	36	J	ASTM D 3763
THERMAL			
HDT, 0.45 MPa, 6.4 mm, unannealed	179	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.09	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm	1.3 – 1.4	%	SABIC method
FLAME CHARACTERISTICS ⁽¹⁾			
UL Yellow Card Link	E121562-220758	-	-
UL Recognized, 94HB Flame Class Rating	≥1.5	mm	UL 94
EXTRUSION BLOW MOLDING			
Drying Temperature	80	°C	
Drying Time	4	hrs	
Drying Time (Cumulative)	16	hrs	
Melt Temperature (Parison)	275 – 290	°C	
Barrel - Zone 1 Temperature	270 – 280	°C	
Barrel - Zone 2 Temperature	270 – 280	°C	
Barrel - Zone 3 Temperature	270 – 280	°C	
Barrel - Zone 4 Temperature	270 – 280	°C	
Adapter - Zone 5 Temperature	275 – 290	°C	
Head - Zone 6 - Top Temperature	275 – 290	°C	
Head - Zone 7 - Bottom Temperature	275 – 290	°C	
Mold Temperature	80	°C	
Die Temperature	275 – 290	°C	

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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