

NORYL GTX™ RNX130 resin

Polyphenylene Ether + PS + Nylon

SABIC Innovative Plastics

Message:

30% glass reinforced PPE+PS+PA alloy for automotive and nonautomotive applications. Recycle grade in black/gray only.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Recycled Content	Yes		
Uses	Application in Automobile Field		
Appearance	Black		
	Grey		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	139	MPa	ASTM D638
Fracture	139	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield	5.0	%	ASTM D638
Fracture	5.0	%	ASTM D638
Flexural Modulus			ASTM D790
50.0mm span ³	8140	MPa	ASTM D790
100mm span ⁴	7860	MPa	ASTM D790
Flexural Strength			ASTM D790
Fracture, 50.0mm span ⁵	186	MPa	ASTM D790
Fracture, 100mm span ⁶	186	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Unnotched Izod Impact (23°C)	530	J/m	ASTM D4812
Instrumented Dart Impact (23°C, Total Energy)	6.33	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.20mm	252	°C	ASTM D648
1.8 MPa, unannealed, 3.20mm	229	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	93.3 - 107	°C	

Drying Time	3.0 - 4.0	hr
Drying Time, Maximum	8.0	hr
Suggested Max Moisture	0.070	%
Suggested Shot Size	30 - 50	%
Rear Temperature	266 - 304	°C
Middle Temperature	271 - 304	°C
Front Temperature	277 - 304	°C
Nozzle Temperature	282 - 304	°C
Processing (Melt) Temp	282 - 304	°C
Mold Temperature	76.7 - 121	°C
Back Pressure	0.345 - 1.38	MPa
Screw Speed	20 - 100	rpm
Vent Depth	0.013 - 0.038	mm

Injection instructions

Minimum Moisture Content: 0.02 %

NOTE

1.	Type 1, 5.0 mm/min
2.	Type 1, 5.0 mm/min
3.	1.3 mm/min
4.	2.6 mm/min
5.	1.3 mm/min
6.	2.6 mm/min

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Recommended distributors for this material

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