

NORYL GTX™ Resin GTX6009 - Americas

(PPE+PA*)

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL GTX™ 6009 resin is a non-reinforced alloy of Polyphenylene Ether (PPE) + Polyamide (PA). This injection moldable grade exhibits high heat resistance, and excellent chemical resistance. NORYL GTX6009 resin may be an excellent candidate for exterior automotive applications such as wheel covers and wheel trim.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	53	MPa	ASTM D 638
Elongation at Break	90	%	ASTM D 638
Flexural Modulus	2130	MPa	ASTM D 790
Rockwell Hardness	R 110	-	ASTM D 785
Izod Impact notched, 1/8 in	736	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	160	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1120	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	95 - 105	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.07	%	-
Melt temperature	280 - 305	°C	-
Mold temperature	75 - 120	°C	-
Zone 1	265 - 305	°C	-
Zone 2	270 - 305	°C	-
Zone 3	275 - 305	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 1.4	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Applications

Automotive