

Product Texts

NORYL GTX™ 902 resin is a non-reinforced alloy of Polyphenylene Ether (PPE) + Polyamide (PA). This injection moldable grade exhibits excellent chemical resistance and excellent paintability. NORYL GTX902 resin is an excellent candidate for automotive wheel cover applications.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	59	MPa	ASTM D 638
Tensile Strength at Break	56	MPa	ASTM D 638
Elongation at Yield	9	%	ASTM D 638
Elongation at Break	52	%	ASTM D 638
Rockwell Hardness	R 118	-	ASTM D 785
Taber Abrasion Resistance	19	mg/1000 cycles	ASTM D 1044
Izod Impact notched, 1/8 in	272	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	53	J/m	ASTM D 256
Temperature	-40	°C	-
Izod Impact unnotched, 1/8 in	3200	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Vicat Temperature	232	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1080	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	275 - 300	°C	-
Mold temperature	65 - 95	°C	-
Zone 1	260 - 300	°C	-
Zone 2	265 - 300	°C	-
Zone 3	270 - 300	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 1.4	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

Asia Pacific

Applications

Automotive