

NORYL™ Resin PN235 - Americas

(PPE+PS)

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL™ PN235 resin is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This plate able compression and injection moldable grade exhibits good impact resistance along with low moisture absorption, creep resistance, dimensional stability, and hydrolytic stability. NORYL PN235 resin is an excellent candidate for a variety of plated automotive applications.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	37	MPa	ASTM D 638
Elongation at Break	72	%	ASTM D 638
Izod Impact notched, 1/8 in	347	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	133	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1050	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	≤0.02	%	-
Melt temperature	265 - 295	°C	-
Mold temperature	65 - 95	°C	-
Zone 1	230 - 280	°C	-
Zone 2	245 - 290	°C	-
Zone 3	255 - 295	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America

Chemical Resistance

Hydrolytically Stable