

**NORYL™ Resin PN235 - Asia**

(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.

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

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

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1050</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>95 - 105</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>265 - 295</b>	°C	-
Mold temperature	<b>65 - 95</b>	°C	-
Zone 1	<b>230 - 280</b>	°C	-
Zone 2	<b>245 - 290</b>	°C	-
Zone 3	<b>255 - 295</b>	°C	-
Screw speed	<b>20 - 100</b>	rpm	-
Back pressure	<b>0.3 - 0.7</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Chemical Resistance**

Hydrolytically Stable