

**NORYL™ Resin PX1390 - Asia**

(PPE+PS)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

NORYL™ PX1390 resin is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This injection moldable grade inherently meets UL94 HB flame rating. NORYL PX1390 resin exhibits excellent electrical properties, easy processability, high heat resistance, and good dimensional stability. It is an excellent candidate for automotive connector applications.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>62</b>	MPa	ASTM D 638
Elongation at Break	<b>30</b>	%	ASTM D 638
Izod Impact notched, 1/8 in	<b>288</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>160</b>	J/m	ASTM D 256
Temperature	<b>-40</b>	°C	-

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1060</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>105 - 110</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>295 - 315</b>	°C	-
Mold temperature	<b>75 - 105</b>	°C	-
Zone 1	<b>260 - 305</b>	°C	-
Zone 2	<b>270 - 310</b>	°C	-
Zone 3	<b>280 - 315</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