

NORYL™ Resin PX1390 - Americas

(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.

UL Yellow Card Link [F121562-221188](https://www.ul.com/yellow-card-link/F121562-221188)

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

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.7	mm	-

Other properties	Value	Unit	Test Standard
Density	1060	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	105 - 110	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	295 - 315	°C	-
Mold temperature	75 - 105	°C	-
Zone 1	260 - 305	°C	-
Zone 2	270 - 310	°C	-
Zone 3	280 - 315	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America