

Product Texts

NORYL PPX™ 630 resin is a 30% glass reinforced alloy of polyphenylene ether (PPE) + polypropylene (PP). This injection moldable grade exhibits high elongation and high stiffness along with temperature performance, impact resistance, hydrolytic and dimensional stability. NORYL PPX630 resin is an excellent candidate for hot water system exteriors, condensate housings, and printer internals.

*See NORYL PPX630F resin for NSF 61.

UL Yellow Card Link [E45329-100962693](https://www.ul.com/yellow-card/E45329-100962693)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	3	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	6600	MPa	ISO 527
Stress at break	80	MPa	ISO 527
Strain at break	4.1	%	ISO 527
Flexural modulus	5500	MPa	ISO 178
Charpy impact strength, +23°C	50	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	10	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C, 4mm	48	kJ/m ²	ISO 180/1U
Izod impact strength, -30°C, 4mm	46	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	15	kJ/m ²	ISO 180/1A
Izod notched impact strength, -30°C, 4mm	10	kJ/m ²	ISO 180/1A
Ball indentation hardness	75	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, B	125	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	128	°C	ISO 306
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	115	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	2.4	-	IEC 62631-2-1
Dissipation factor, 1MHz	10	E-4	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Comparative tracking index	500	-	IEC 60112

Other properties	Value	Unit	Test Standard
Water absorption	0.2	%	Sim. to ISO 62
Density	1190	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	65 - 75	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	260 - 300	°C	-
Mold temperature	40 - 65	°C	-
Feed temperature	60 - 80	°C	-

NORYL PPX™ Resin PPX630 - Europe

(PPE+PP)-GF30

Saudi Basic Industries Corporation (SABIC)

Zone 1	245 - 290	°C	-
Zone 2	250 - 290	°C	-
Zone 3	255 - 290	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe