

Product Texts

NORYL PPX™ 7112 resin is a non-reinforced alloy of polyphenylene ether (PPE) + polypropylene (PP). This injection moldable grade exhibits high modulus, high-temperature performance, and impact resistance, hydrolytic and dimensional stability. NORYL PPX7112 resin is an excellent candidate for exterior painted automotive applications.

UL Yellow Card Link [E121562-221230](https://www.ul.com/yellowcard/E121562-221230)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10.5	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1170	MPa	ASTM D 638
Tensile Strength at Yield	34	MPa	ASTM D 638
Tensile Strength at Break	33	MPa	ASTM D 638
Elongation at Yield	8	%	ASTM D 638
Elongation at Break	120	%	ASTM D 638
Flexural Modulus	1340	MPa	ASTM D 790
Izod Impact notched, 1/8 in	587	J/m	ASTM D 256

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	-
ASTM Data			
DTUL @ 66 psi	112	°C	ASTM D 648
DTUL @ 264 psi	85	°C	ASTM D 648
Vicat Temperature	85	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	990	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	60 - 65	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	260 - 290	°C	-
Mold temperature	30 - 50	°C	-
Zone 1	225 - 275	°C	-
Zone 2	240 - 280	°C	-
Zone 3	250 - 290	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding, Sheet Extrusion

Regional Availability

North America

Applications

Automotive