

Product Texts

NORYL PPX™ 7110 resin is a non-reinforced alloy of polyphenylene ether (PPE) + Polypropylene (PP). This injection moldable grade exhibits high impact resistance and good heat resistance along with hydrolytic and dimensional stability. NORYL PPX7110 resin is an excellent candidate for applications requiring high impact, chemical resistance, and good heat performance.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10.6	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1340	MPa	ASTM D 638
Tensile Strength at Yield	35	MPa	ASTM D 638
Tensile Strength at Break	32	MPa	ASTM D 638
Elongation at Yield	6.5	%	ASTM D 638
Elongation at Break	195	%	ASTM D 638
Flexural Modulus	1550	MPa	ASTM D 790
Izod Impact notched, 1/8 in	437	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	149	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	113	°C	ASTM D 648
DTUL @ 264 psi	77	°C	ASTM D 648
Vicat Temperature	138	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	970	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

Asia Pacific

Applications

Automotive