

NORYL PPX™ Resin PPX7115F - Americas

(PPE+PP)

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL PPX™ 7115F resin is a non-reinforced alloy of polyphenylene ether (PPE) + polypropylene (PP). This FDA certified injection moldable grade exhibits high impact resistance and good heat resistance along with hydrolytic and dimensional stability. NORYL PPX7115F resin is an excellent candidate for food contact applications requiring high impact, chemical resistance, and good heat performance.

UL Yellow Card Link [E121562-221243](https://www.ulprospector.com/PPX7115F)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	12	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	14	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	1370	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Strain at break	50	%	ISO 527
ASTM Data			
Tensile Modulus	1240	MPa	ASTM D 638
Tensile Strength at Yield	35	MPa	ASTM D 638
Tensile Strength at Break	34	MPa	ASTM D 638
Elongation at Yield	8	%	ASTM D 638
Elongation at Break	125	%	ASTM D 638
Flexural Modulus	1370	MPa	ASTM D 790
Izod Impact notched, 1/8 in	534	J/m	ASTM D 256
Thermal properties			
ISO Data			
Vicat softening temperature, A	131	°C	ISO 306
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	86	°C	ASTM D 1525
Other properties			
Density	990	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
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	-

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Processing

Injection Molding

Regional Availability

North America

Certifications

Food contact, Food approval FDA 21 CFR