

**NORYL PPX™ Resin PPX7115 - Americas**

(PPE+PP)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

NORYL PPX™ 7115 resin is a non-reinforced alloy of polyphenylene ether (PPE) + polypropylene (PP). This injection moldable grade exhibits high modulus, high-temperature performance, excellent melt strength, impact resistance, hydrolytic and dimensional stability. NORYL PPX7115 resin is an excellent candidate for applications requiring high modulus and chemical resistance.

UL Yellow Card Link [E121562-221243](https://www.ulprospector.com/PPX7115)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	12	cm <sup>3</sup> /10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	14	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	1370	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Strain at break	50	%	ISO 527
<b>ASTM Data</b>			
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	Value	Unit	Test Standard
<b>ISO Data</b>			
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	-
<b>ASTM Data</b>			
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	Value	Unit	Test Standard
Density	990	kg/m <sup>3</sup>	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

**Regional Availability**

North America