

**NORYL PPX™ Resin PPX7115 - Asia**

(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.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>14</b>	g/10min	ASTM D 1238
Temperature	<b>260</b>	°C	-
Load	<b>5</b>	kg	-

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>1240</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>35</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>34</b>	MPa	ASTM D 638
Elongation at Yield	<b>8</b>	%	ASTM D 638
Elongation at Break	<b>125</b>	%	ASTM D 638
Flexural Modulus	<b>1370</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>534</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>112</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>85</b>	°C	ASTM D 648
Vicat Temperature	<b>86</b>	°C	ASTM D 1525

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>990</b>	kg/m <sup>3</sup>	ASTM D 792

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

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific