

**PRL PPX-EN-FR3**

(PPE+PS)

Polymer Resources, Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>6</b>	g/10min	ASTM D 1238
Temperature	<b>250</b>	°C	-
Load	<b>11.6</b>	kg	-
Mold Shrinkage, MD	<b>0.006</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Strength at Yield	<b>64.1</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>62.1</b>	MPa	ASTM D 638
Elongation at Break	<b>25</b>	%	ASTM D 638
Flexural Modulus	<b>2413</b>	MPa	ASTM D 790
Flexural Strength	<b>89.6</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R119</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>214</b>	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	<b>133</b>	J/m	ASTM D 256
Temperature	<b>-40</b>	°C	-
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
UL 94 Flame rating	<b>V-1</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
DTUL @ 66 psi	<b>129</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>121</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Comparative tracking index	<b>325</b>	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	<b>24</b>	kV/mm	ASTM D 149
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Density	<b>1060</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Other Extrusion

**Delivery form**

Pellets

**Additives**

Flame retarding agent

**Special Characteristics**

Flame retardant

**Regional Availability**

North America