

**PRL PPX-GP3-WR**

(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>18</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
Mold Shrinkage, TD	<b>0.006</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	<b>48.3</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>48.3</b>	MPa	ASTM D 638
Elongation at Break	<b>32</b>	%	ASTM D 638
Flexural Modulus	<b>2206</b>	MPa	ASTM D 790
Flexural Strength	<b>72.4</b>	MPa	ASTM D 790
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>			
DTUL @ 66 psi	<b>113</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>107</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Volume Resistivity	<b>&gt;1E15</b>	Ohm*cm	ASTM D 257
<b>Other properties</b>			
Density	<b>1080</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>104 - 110</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Melt temperature	<b>274 - 302</b>	°C	-
Mold temperature	<b>65.6 - 98.9</b>	°C	-
Zone 1	<b>243 - 293</b>	°C	-
Zone 2	<b>254 - 299</b>	°C	-
Zone 3	<b>266 - 304</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Chemical Resistance**

Hydrolytically Stable

**Applications**

General Purpose

**Regional Availability**

North America