

**PRL PPX-FR1-(color)-EN**  
(PPE+PS)

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	56.5	MPa	ASTM D 638
Tensile Strength at Break	46.9	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2275	MPa	ASTM D 790
Flexural Strength	89.6	MPa	ASTM D 790
Rockwell Hardness	R113	-	ASTM D 785
Izod Impact notched, 1/8 in	374	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	160	J/m	ASTM D 256
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	87.8	°C	ASTM D 648
DTUL @ 264 psi	82.2	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Comparative tracking index	325	-	IEC 60112
<b>ASTM Data</b>			
Dielectric Strength, Short Time	22	kV/mm	ASTM D 149
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1080	kg/m <sup>3</sup>	ASTM D 792

**Characteristics**

**Processing**

Other Extrusion

**Special Characteristics**

Flame retardant

**Delivery form**

Pellets

**Regional Availability**

North America

**Additives**

Flame retarding agent