

PRL PPX-GP6

(PPE+PS)

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2.05	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	11.6	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
Value	Unit	Test Standard	
ISO Data			
Charpy notched impact strength, +23°C	17.9	kJ/m ²	ISO 179/1eA
ASTM Data			
Tensile Strength at Yield	61.4	MPa	ASTM D 638
Tensile Strength at Break	58.6	MPa	ASTM D 638
Elongation at Break	25	%	ASTM D 638
Flexural Modulus	2206	MPa	ASTM D 790
Izod Impact notched, 1/8 in	267	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	133	J/m	ASTM D 256
Temperature	-40	°C	-
Electrical properties			
Value	Unit	Test Standard	
ASTM Data			
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Value	Unit	Test Standard	
Density	1060	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Value	Unit	Test Standard	
Pre-drying - Temperature	104 - 110	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	293 - 316	°C	-
Mold temperature	76.7 - 98.9	°C	-
Zone 1	260 - 304	°C	-
Zone 2	271 - 310	°C	-
Zone 3	282 - 316	°C	-

Characteristics**Processing**

Injection Molding

Applications

General Purpose

Delivery form

Pellets

Regional Availability

North America

Special Characteristics

Heat stabilized or stable to heat