

PRL PPX-MF-FR1

(PPE+PS)-MF

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	20	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
ASTM Data			
Tensile Strength at Yield	62.1	MPa	ASTM D 638
Tensile Strength at Break	55.2	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	30	%	ASTM D 638
Flexural Modulus	2861	MPa	ASTM D 790
Flexural Strength	96.5	MPa	ASTM D 790
Rockwell Hardness	R121	-	ASTM D 785
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	87.8	°C	ASTM D 648
DTUL @ 264 psi	82.2	°C	ASTM D 648
Vicat Temperature	116	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1240	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	246 - 282	°C	-
Mold temperature	65.6 - 82.2	°C	-
Zone 1	221 - 271	°C	-
Zone 2	232 - 277	°C	-
Zone 3	243 - 282	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Additives

Flame retarding agent

Special Characteristics

Flame retardant

Regional Availability

North America