

**PRL PC/TP-FR2**

(PC+Polyester)

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	8.5	g/10min	ASTM D 1238
Temperature	265	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0075	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength at Yield	50.3	MPa	ASTM D 638
Tensile Strength at Break	48.3	MPa	ASTM D 638
Flexural Modulus	1999	MPa	ASTM D 790
Flexural Strength	75.8	MPa	ASTM D 790
Izod Impact notched, 1/8 in	694	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	374	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	90.6	°C	ASTM D 648
DTUL @ 264 psi	82.2	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1250	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	104 - 110	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	246 - 274	°C	-
Mold temperature	65.6 - 87.8	°C	-
Zone 1	249 - 271	°C	-
Zone 2	254 - 277	°C	-
Zone 3	260 - 282	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Flame retarding agent

**Special Characteristics**

Flame retardant, High impact or impact modified, U.V. stabilized or stable to weather

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

North America