

PRL PC/TP-FR3

(PC+Polyester)

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	16	g/10min	ASTM D 1238
Temperature	265	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	49	MPa	ASTM D 638
Tensile Strength at Break	42.7	MPa	ASTM D 638
Flexural Modulus	2068	MPa	ASTM D 790
Flexural Strength	75.8	MPa	ASTM D 790
Izod Impact notched, 1/8 in	587	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	98.9	°C	ASTM D 648
DTUL @ 264 psi	82.2	°C	ASTM D 648
Other properties			
Density	1290	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	110 - 116	°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