

PRL PC-FR2-TFE

(PC+PTFE)

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	12.5	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.0075	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	56.9	MPa	ASTM D 638
Tensile Strength at Break	56.9	MPa	ASTM D 638
Elongation at Yield	10	%	ASTM D 638
Flexural Modulus	2413	MPa	ASTM D 790
Flexural Strength	82.7	MPa	ASTM D 790
Izod Impact notched, 1/8 in	117	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 66 psi	135	°C	ASTM D 648
DTUL @ 264 psi	129	°C	ASTM D 648
Other properties			
Density	1260	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	118 - 124	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	288 - 316	°C	-
Mold temperature	76.7 - 98.9	°C	-
Zone 1	271 - 293	°C	-
Zone 2	282 - 304	°C	-
Zone 3	293 - 316	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Delivery form

Pellets

Regional Availability

North America

Additives

Lubricants, Flame retarding agent