

PRL PC/ABS-FR2

(PC+ABS)

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	50	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength at Yield	60.7	MPa	ASTM D 638
Tensile Strength at Break	55.2	MPa	ASTM D 638
Flexural Modulus	2551	MPa	ASTM D 790
Flexural Strength	93.1	MPa	ASTM D 790
Izod Impact notched, 1/8 in	534	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	85	°C	ASTM D 648
DTUL @ 264 psi	79.4	°C	ASTM D 648
Other properties			
Density	1180	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	76.7 - 82.2	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	246 - 274	°C	-
Mold temperature	60 - 82.2	°C	-
Zone 1	221 - 254	°C	-
Zone 2	232 - 266	°C	-
Zone 3	243 - 277	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, High impact or impact modified

Delivery form

Pellets

Regional Availability

North America

Additives

Flame retarding agent