

PRL PCSF-FR

PC-GF5

Polymer Resources, Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	8.5	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Strength at Yield	58.6	MPa	ASTM D 638
Tensile Strength at Break	55.8	MPa	ASTM D 638
Flexural Modulus	3172	MPa	ASTM D 790
Flexural Strength	96.5	MPa	ASTM D 790
Izod Impact notched, 1/8 in	160	J/m	ASTM D 256
Thermal properties			
ASTM Data	Value	Unit	Test Standard
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	5.99	mm	-
DTUL @ 66 psi	138	°C	ASTM D 648
DTUL @ 264 psi	131	°C	ASTM D 648
Other properties			
Value	Unit	Test Standard	
Density	1210	kg/m ³	ASTM D 792

Characteristics**Processing**

Structural Foam

Delivery form

Pellets

Additives

Flame retarding agent

Special Characteristics

Flame retardant, High impact or impact modified, Heat stabilized or stable to heat

Features

Foamable

Regional Availability

North America