

PRL PC-FR-UV2

Polycarbonate
Polymer Resources Ltd.

Message:
PRL PC FR UV2 is a non halogen FR PC product. It can be processed by injection molding and is available in North America.

General Information			
UL YellowCard	E113219-102087522		
Features	Flame Retardant		
	Good UV Resistance		
	High Impact Resistance		
	Medium Flow		
	Medium Heat Resistance		
	Self Extinguishing		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	9.0 to 16	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	68.9	MPa	
Break, 3.18 mm	62.1	MPa	
Flexural Modulus (3.18 mm)	2310	MPa	ASTM D790
Flexural Strength (Break, 3.18 mm)	95.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	800	J/m	ASTM D256
Gardner Impact (3.18 mm)	36.2	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	135	°C	
1.8 MPa, Unannealed, 3.18 mm	129	°C	
Injection	Nominal Value	Unit	
Drying Temperature	118 to 124	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	271 to 293	°C	

Middle Temperature	282 to 304	°C
Front Temperature	293 to 316	°C
Processing (Melt) Temp	288 to 316	°C
Mold Temperature	71.1 to 93.3	°C

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Recommended distributors for this material

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