

# PRL PC-HH-UV

Polycarbonate  
Polymer Resources Ltd.

Message:

PRL PC-HH-UV is a Polycarbonate (PC) product. It can be processed by injection molding and is available in North America.

Characteristics include:

- RoHS Compliant
- Good UV Resistance
- Heat Resistant
- UV Stabilized

General Information			
Additive	UV Stabilizer		
Features	Good UV Resistance		
	High Heat Resistance		
	Low Flow		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	2.0 to 5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.60 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18 mm	66.2	MPa	
Break, 3.18 mm	74.1	MPa	
Flexural Modulus (3.18 mm)	2140	MPa	ASTM D790
Flexural Strength (3.18 mm)	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	370	J/m	ASTM D256
Gardner Impact (3.18 mm)	11.3	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	154	°C	
1.8 MPa, Unannealed, 3.18 mm	146	°C	
Injection	Nominal Value	Unit	
Drying Temperature	121 to 129	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	299 to 338	°C	

Middle Temperature	299 to 338	°C
Front Temperature	327 to 371	°C
Processing (Melt) Temp	316 to 343	°C
Mold Temperature	76.7 to 98.9	°C

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Recommended distributors for this material

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