

PRL PC/ASA-GP2

Acrylonitrile Styrene Acrylate + PC

Polymer Resources Ltd.

Message:

PRL PC/ASA-GP2 is an Acrylonitrile Styrene Acrylate + PC (ASA+PC) product. It can be processed by injection molding and is available in North America.

Characteristics include:

RoHS Compliant

Impact Resistant

General Information			
Features	General Purpose Medium Flow Medium Impact Resistance		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	8.0 to 18	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	58.6	MPa	
Break, 3.18 mm	51.7	MPa	
Flexural Modulus (3.18 mm)	2600	MPa	ASTM D790
Flexural Strength (3.18 mm)	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	210	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	102	°C	
1.8 MPa, Unannealed, 3.18 mm	87.8	°C	
Injection	Nominal Value	Unit	
Drying Temperature	87.8 to 98.9	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Rear Temperature	232 to 243	°C	
Middle Temperature	243 to 254	°C	

Front Temperature	254 to 271	°C
Processing (Melt) Temp	254 to 271	°C
Mold Temperature	54.4 to 71.1	°C

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