

PRL AC-GP1

Acetal (POM) Copolymer

Polymer Resources Ltd.

Message:

PRL AC-GP1 is a polyoxymethylene (POM) copolymer product. It can be processed by extrusion or injection molding and is available in North America.

Features include:

flame retardant/rated flame

ROHS certification

Copolymer

General Information			
Features	Copolymer Good melt strength Low liquidity		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Extrusion Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0 - 5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.8 - 2.2	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.18mm	61.4	MPa	ASTM D638
Fracture, 3.18mm	61.4	MPa	ASTM D638
Flexural Modulus (3.18 mm)	2600	MPa	ASTM D790
Flexural Strength (3.18 mm)	90.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	69	J/m	ASTM D256
Dart Drop Impact (3.18 mm)	22.6	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.18mm	157	°C	ASTM D648
1.8 MPa, unannealed, 3.18mm	110	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4 - 85.0	°C	

Drying Time	3.0 - 4.0	hr
Drying Time, Maximum	8.0	hr
Rear Temperature	168 - 174	°C
Middle Temperature	179 - 185	°C
Front Temperature	185 - 191	°C
Processing (Melt) Temp	182 - 199	°C
Mold Temperature	76.7 - 93.3	°C
Extrusion	Nominal Value	Unit
Drying Temperature	79.4 - 85.0	°C
Drying Time	3.0 - 4.0	hr
Cylinder Zone 1 Temp.	168 - 174	°C
Cylinder Zone 2 Temp.	179 - 185	°C
Cylinder Zone 3 Temp.	185 - 191	°C
Melt Temperature	182 - 199	°C
Die Temperature	76.7 - 93.3	°C
Extrusion instructions		

Drying Time: do not exceed 8 hours

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

