

Solarkote® P-601

Polymethyl Methacrylate Acrylic

Altuglas International of Arkema Inc.

Message:

Solarkote® P-601 is a Polymethyl Methacrylate Acrylic product. It is available in Europe or North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.1	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	69		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1340	MPa	ASTM D638
Tensile Strength (Break)	20.7	MPa	ASTM D638
Tensile Elongation (Break)	85	%	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Flexural Strength (Break)	33.1	MPa	ASTM D790
Taber Abrasion Resistance			ASTM D1044
100 Cycles, 500 g	0.00100	mg	
500 Cycles, 500 g	0.0105	mg	
1000 Cycles, 500 g	0.0165	mg	
2000 Cycles, 500 g	0.0355	mg	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	51.7	°C	ASTM D648
Vicat Softening Temperature			
--	68.9	°C	ASTM D1525 ¹
--	58.3	°C	ASTM D1525 ²
CLTE - Flow			ASTM E831
-18°C	1.2E-4	cm/cm/°C	
-7°C	1.2E-4	cm/cm/°C	
24°C	1.4E-4	cm/cm/°C	
38°C	1.5E-4	cm/cm/°C	
Thermal Conductivity	0.22	W/m/K	ASTM C177
NOTE			

1.	Rate A (50°C/h), Loading 1 (10 N)
2.	Rate A (50°C/h), Loading 2 (50 N)

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

