

PLUSTEK PA108

Polyamide 66/6 Copolymer

Polyram Ram-On Industries

Message:

GOOD SURFACE FINISH POLYAMIDE 6/6.6 ALLOY FOR INJECTION MOLDING APPLICATIONS.

General Information			
Features		Good Surface Finish	
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	1.4 to 1.8	%	ASTM D955
--	1.4 to 1.8	%	ISO 2577
Water Absorption			
Saturation	8.5	%	ASTM D570
Saturation, 23°C	8.5	%	ISO 62
Equilibrium, 23°C, 50% RH	2.8	%	ASTM D570, ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	90.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	> 10	%	ASTM D638, ISO 527-2
Flexural Modulus	2700	MPa	ASTM D790, ISO 178
Flexural Strength	140	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Notched Izod Impact			
23°C	45	J/m	ASTM D256
23°C	5.5	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	210	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	100	°C	ASTM D648, ISO 75-2/A
Maximum Use Temperature - Short Peaks Operation	150	°C	
Maximum Continuous Use Temperature	80	°C	

Melting Temperature	256	°C	ISO 11357-3, ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
Electric Strength	120	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	3.60		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-2		UL 94
Glow Wire Flammability Index	750	°C	IEC 60695-2-12

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

