

POLYSTONE® G AST natural

High Density Polyethylene

Röchling Engineering Plastics SE & Co. KG

Message:

Product characteristics

Antistatic

Easy processing

Excellent weldability

Typical field of application

Clean room and semiconductor technology

General Information			
Features	Antistatic		
	Good Processability		
	Weldable		
Uses	Electrical/Electronic Applications		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.010	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	800	MPa	ISO 527-2
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	12	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature			
-- 1	-50.0 to 80.0	°C	
-- 2	< 100	°C	
Melting Temperature	135	°C	ISO 11357-3
CLTE - Flow	1.5E-4 to 2.3E-4	cm/cm/°C	DIN 53752
Specific Heat	1900	J/kg/°C	DIN 52612
Thermal Conductivity	0.40	W/m/K	DIN 52612
Heat Deflection Temperature - Vicat B	67	°C	ISO 306
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+9 to 1.0E+12	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
3.00 mm	HB	
6.00 mm	HB	
NOTE		
1.	Long Term	
2.	Short Term	

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



WECHAT