

VENYL SB802

Polyamide 6

AD majoris

Message:

VENYL SB802 is a natural, high mineral filled polyamide 6 intended for injection moulding.

APPLICATIONS

VENYL SB802 has been developed for applications where high density, good surface finish are necessary.

High density products, such as : Sound absorption parts, electronic housings, cosmetics mouldings, appliances

VENYL SB802 is available in both natural (VENYL SB802) and black (VENYL SB802-8229) but other colours can be provided on request.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Surface Finish		
	High Density		
	Recyclable Material		
Uses	Acoustic Barrier		
	Appliances		
	Cosmetics		
	Electrical Housing		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	2.80	g/cm ³	ISO 1183
Molding Shrinkage	0.90 to 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ISO 527-2
Tensile Stress (Break)	41.0	MPa	ISO 527-2
Flexural Modulus	7350	MPa	ISO 178
Flexural Stress	66.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.8	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	8.4	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	220	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+12	ohms	DIN 53482
Volume Resistivity	1.0E+15	ohms·cm	DIN 53482
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	650	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Rear Temperature	245 to 265	°C	
Middle Temperature	250 to 270	°C	
Front Temperature	255 to 275	°C	
Nozzle Temperature	255 to 275	°C	
Mold Temperature	85.0 to 110	°C	
Injection Pressure	85.0 to 110	MPa	
Injection Rate	Fast		
Holding Pressure	50.0 to 70.0	MPa	
Screw L/D Ratio	15.0:1.0 to 20.0:1.0		

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

