

Arnite® B600SE

Polybutylene Terephthalate

DSM Engineering Plastics

Message:

Arnite® B600SE is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific.

Important attributes of Arnite® B600SE are:

Flame Rated

Flame Retardant

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2
Tensile Stress (Break)	60.0	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	24	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	145	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flammability Classification (3.20 mm)	V-0		IEC 60695-11-10, -20
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	3.0 to 12	hr	
Rear Temperature	230 to 235	°C	
Middle Temperature	235 to 240	°C	
Front Temperature	240 to 245	°C	
Nozzle Temperature	240 to 250	°C	
Processing (Melt) Temp	240 to 250	°C	
Mold Temperature	60.0 to 100	°C	
Injection Rate	Moderate-Fast		
Back Pressure	3.00 to 10.0	MPa	
Screw Compression Ratio	2.5:1.0		
NOTE			

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

