

Arnite® B600 SNF

Polybutylene Terephthalate

DSM Engineering Plastics

Message:

Arnite® B600 SNF is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific.

Important attributes of Arnite® B600 SNF are:

Flame Rated

Flame Retardant

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Density	1.42	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	0.40	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress (Yield)	45.0	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		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	65.0	°C	ISO 75-2/A
Electrical	Nominal Value		Test Method
Relative Permittivity			IEC 60250
100 Hz	3.40		
1 MHz	3.20		
Dissipation Factor			IEC 60250
100 Hz	3.0E-3		
1 MHz	0.020		
Flammability	Nominal Value		Test Method
Flammability Classification (1.50 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	

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Recommended distributors for this material

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