

Arnite® XG 260 S (T-X07086)

Polybutylene Terephthalate

DSM Engineering Plastics

Message:

Arnite® XG 260 S (T-X07086) is a Polybutylene Terephthalate (PBT) material filled with 30% glass fiber. It is available in Asia Pacific or Europe.

Important attributes of Arnite® XG 260 S (T-X07086) are:

- Flame Rated
- Flame Retardant
- Halogen Free

General Information			
UL YellowCard	E47960-100766726		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		

Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.4	%	
Flow	0.20	%	
Water Absorption			ISO 62
Saturation, 23°C	0.30	%	
Equilibrium, 23°C, 50% RH	0.15	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11500	MPa	ISO 527-2
Tensile Stress (Break)	83.0	MPa	ISO 527-2
Tensile Strain (Break)	1.7	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	25	kJ/m²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	3.5E-5	cm/cm/°C	
Transverse	7.0E-5	cm/cm/°C	

Electrical	Nominal Value	Unit	Test Method
------------	---------------	------	-------------

Comparative Tracking Index	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.400 mm	V-0		
0.750 mm	V-0		
Glow Wire Flammability Index (0.750 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	3.0 to 12	hr	
Rear Temperature	230 to 240	°C	
Middle Temperature	235 to 250	°C	
Front Temperature	240 to 255	°C	
Nozzle Temperature	240 to 260	°C	
Processing (Melt) Temp	240 to 260	°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			
1.	10°C/min		

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

