

Arnite® TZ4 254 S

Polybutylene Terephthalate

DSM Engineering Plastics

Message:

Arnite® TZ4 254 S is a Polybutylene Terephthalate (PBT) material filled with 25% glass\mineral. It is available in Asia Pacific or Europe.

Important attributes of Arnite® TZ4 254 S are:

Flame Rated

Flame Retardant

General Information			
Filler / Reinforcement	Glass\Mineral,25% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	0.30	%	
Equilibrium, 23°C, 50% RH	0.15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ISO 527-2
Tensile Stress (Break)	90.0	MPa	ISO 527-2
Tensile Strain (Break)	1.8	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	35	kJ/m ²	
23°C	35	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	175	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	4.0E-5	cm/cm/°C	
Transverse	8.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Electric Strength	27	kV/mm	IEC 60243-1
Relative Permittivity			IEC 60250

100 Hz	3.90		
1 MHz	3.70		
Dissipation Factor			IEC 60250
100 Hz	2.0E-3		
1 MHz	0.015		
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	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 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



WECHAT