

DSM Arnite® TZ6 280 PBT-(GF+GB)40

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Bead Filled

Material Notes:

20% Glass Reinforced, 20% Glass Beads Reinforced

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Arnite-TZ6-280-PBT-GFGB40.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ISO 1183
Water Absorption	0.25 %	0.25 %	Sim. To ISO 62
Moisture Absorption	0.150 %	0.150 %	Sim. To ISO 62
Viscosity	20000 cP	20000 cP	
	@Shear Rate 100000 1/s, Temperature 230 °C	@Shear Rate 100000 1/s, Temperature 446 °F	
	20000 cP	20000 cP	
	@Shear Rate 100000 1/s, Temperature 250 °C	@Shear Rate 100000 1/s, Temperature 482 °F	
	20000 cP	20000 cP	
	@Shear Rate 100000 1/s, Temperature 270 °C	@Shear Rate 100000 1/s, Temperature 518 °F	
	300000 cP	300000 cP	
	@Shear Rate 1.00 1/s, Temperature 270 °C	@Shear Rate 1.00 1/s, Temperature 518 °F	
	500000 cP	500000 cP	
	@Shear Rate 1.00 1/s, Temperature 250 °C	@Shear Rate 1.00 1/s, Temperature 482 °F	
	700000 cP	700000 cP	
	@Shear Rate 1.00 1/s, Temperature 230 °C	@Shear Rate 1.00 1/s, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	100 MPa	14500 psi	ISO 527-1/-2
Elongation at Break	2.5 %	2.5 %	ISO 527-1/-2
Tensile Modulus	8.70 GPa	1260 ksi	ISO 527-1/-2

Mechanical Properties	Metric ¹ /cm ²	English ^{1b} /in ²	Comments
Charpy Impact, Unnotched	@Temperature 23.0 °C	@Temperature 73.4 °F	ISO 179/1eD
Charpy Impact, Notched	0.550 J/cm ² @Temperature 23.0 °C	2.62 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	40.0 µm/m-°C	22.2 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	75.0 µm/m-°C	41.7 µin/in-°F	ISO 11359-1/-2
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	ISO 75-1/-2
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	IEC 60695-11-10
	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	IEC 60093

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China