

DSM Arnite® TV4 220 PBT-10% Glass Reinforced (European and Asian Grade)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 10% Glass Fiber Filled

Material Notes:

Arnite resins are engineered to provide specific performance in applications where DSM technology can offer value. Arnite Molding resins: Standard Unfilled and Reinforced materials High modulus Flame retardant grades Easy molding FR grades for connectors Toughened unfilled materials for durability High modulus, tight specification for critical auto components Toughened reinforced resins Low outgassing grades for reflector surfaces Arnite extrusion resins: Specialized materials for specific uses PET for medical applications Loose buffer Optical fiber tubing PET for stock shapes Applications Automotive: Connectors, sensors and E&E parts, Exterior fittings, Gear housings and motors, Brake valve bodies Electrical & Electronic: Telecoms and IT connectors, Bobbins, Low voltage Power distribution, E-motor components, Lightings and Lamp fittings Consumer Durables: Small Appliances Other: Optical fiber tubing Information provided by DSM.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Arnite-TV4-220-PBT-10-Glass-Reinforced-European-and-Asian-Grade.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ISO 1183
Water Absorption	0.35 %	0.35 %	Sim. to ISO 62
Moisture Absorption at Equilibrium	0.16 %	0.16 %	Humidity Absorption; Sim. to ISO 62
Melt Flow	28.77 g/10 min @Load 2.16 kg, Temperature 250 °C	28.77 g/10 min @Load 4.76 lb, Temperature 482 °F	Calculated from Volume Flow Rate of 21 cm ³ /10min.; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	ISO 527-1/-2
Elongation at Break	5.0 %	5.0 %	ISO 527-1/-2
Tensile Modulus	4.50 GPa	653 ksi	ISO 527-1/-2
Charpy Impact Unnotched	3.00 J/cm ² @Temperature -30.0 °C	14.3 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
	3.00 J/cm ² @Temperature 23.0 °C	14.3 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.700 J/cm ² @Temperature -30.0 °C	3.33 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA
	0.700 J/cm ² @Temperature 23.0 °C	3.33 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00e+15$ ohm-cm	$\geq 1.00e+15$ ohm-cm	IEC 60093
Surface Resistance	$\geq 1.00e+15$ ohm	$\geq 1.00e+15$ ohm	IEC 60093

Descriptive Properties	Value	Comments
Injection molding	Yes	
Release Agent	Yes	
With Fillers	Yes	

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