

DSM Arnite® A06 101 PET (European Grade)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Unreinforced

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-A06-101-PET-European-Grade.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.30 %	0.30 %	Humidity Absorption; Sim. to ISO 62
Melt Flow	8.04 g/10 min @Load 2.16 kg, Temperature 250 °C	8.04 g/10 min @Load 4.76 lb, Temperature 482 °F	Calculated from Volume Flow Rate of 6 cm ³ /10min.; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527-1/-2
Elongation at Break	>= 50 %	>= 50 %	ISO 527-1/-2
Elongation at Yield	4.0 %	4.0 %	ISO 527-1/-2
Tensile Modulus	2.50 GPa	363 ksi	ISO 527-1/-2
Charpy Impact, Notched	0.650 J/cm ² @Temperature 23.0 °C	3.09 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	255 °C	491 °F	10°C/min; ISO 11357-1/-3
UL RTI, Electrical	75.0 °C @Thickness 0.930 mm	167 °F @Thickness 0.0366 in	UL746B
	75.0 °C @Thickness 3.00 mm	167 °F @Thickness 0.118 in	UL746B

Thermal Properties UL RTI, Mechanical with Impact	75.0 °C Metric	167 °F English	Comments UL 746B
	@Thickness 0.930 mm	@Thickness 0.0366 in	
	75.0 °C	167 °F	UL 746B
	@Thickness 3.00 mm	@Thickness 0.118 in	
UL RTI, Mechanical without Impact	75.0 °C	167 °F	UL 746B
	@Thickness 0.930 mm	@Thickness 0.0366 in	
	75.0 °C	167 °F	UL 746B
	@Thickness 3.00 mm	@Thickness 0.118 in	
Flammability, UL94	HB	HB	IEC 60695-11-10
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	25 %	25 %	ISO 4589-1/-2

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	IEC 60093
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	IEC 60093
Comparative Tracking Index	>= 600 V	>= 600 V	PLC 0; UL 746A

Descriptive Properties	Value	Comments
Other Extrusion	Yes	
Profile extrusion	Yes	
Sheet extrusion	Yes	
Without 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