

## DSM Arnite® AV2 370 XL-T PET-GF35

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 40% Glass Reinforced

### Material Notes:

35% Glass Reinforced, Low Outgassing, Thermal conductive material

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DSM-Arnite-AV2-370-XL-T-PET-GF35.php](http://www.lookpolymers.com/polymer_DSM-Arnite-AV2-370-XL-T-PET-GF35.php)

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.45 %	0.45 %	Sim. To ISO 62
Moisture Absorption	0.180 %	0.180 %	Sim. To ISO 62
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	Sim. To ISO 294-4
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	Sim. To ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	150 MPa	21800 psi	ISO 527-1/-2
Elongation at Break	1.5 %	1.5 %	ISO 527-1/-2
Tensile Modulus	14.0 GPa	2030 ksi	ISO 527-1/-2
Charpy Impact Unnotched	4.00 J/cm <sup>2</sup> @Temperature 23.0 °C	19.0 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.750 J/cm <sup>2</sup> @Temperature 23.0 °C	3.57 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	25.0 µm/m-°C	13.9 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	40.0 µm/m-°C	22.2 µin/in-°F	ISO 11359-1/-2
Thermal Conductivity	0.800 W/m-K	5.55 BTU-in/hr-ft <sup>2</sup> -°F	through plane; ASTM E1461
	1.65 W/m-K	11.5 BTU-in/hr-ft <sup>2</sup> -°F	in plane; ASTM E1461
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °F	ISO 75-1/-2
	HB	HB	

Thermal Properties	Metric	English	Comments
	@ Thickness 1.50 mm	@ Thickness 0.0591 in	IEC 60695-11-10
Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+13 ohm-cm	3.00e+13 ohm-cm	IEC 60093
Dielectric Constant	14	14	IEC60250
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	
	23	23	
	@Frequency 1.00e+6 Hz, Temperature 23.0 °C	@Frequency 1.00e+6 Hz, Temperature 73.4 °F	
	50	50	
	@Frequency 10000 Hz, Temperature 23.0 °C	@Frequency 10000 Hz, Temperature 73.4 °F	
	70	70	
	@Frequency 100 Hz, Temperature 23.0 °C	@Frequency 100 Hz, Temperature 73.4 °F	
	125	125	
	@Frequency 1.00 Hz, Temperature 23.0 °C	@Frequency 1.00 Hz, Temperature 73.4 °F	
Dielectric Strength	1.10 kV/mm	27.9 kV/in	IEC 60243-1

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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