

## DSM Arnite® TV4 290 PBT-GF50

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 50% Glass Fiber Filled

### Material Notes:

50% Glass Reinforced

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DSM-Arnite-TV4-290-PBT-GF50.php](http://www.lookpolymers.com/polymer_DSM-Arnite-TV4-290-PBT-GF50.php)

Physical Properties	Metric	English	Comments
Density	1.72 g/cc	0.0621 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.30 %	0.30 %	Sim. To ISO 62
Moisture Absorption	0.150 %	0.150 %	Sim. To ISO 62
Linear Mold Shrinkage, Flow	0.0025 cm/cm	0.0025 in/in	Sim. To ISO 294-4
Linear Mold Shrinkage, Transverse	0.0095 cm/cm	0.0095 in/in	Sim. To ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	145 MPa	21000 psi	ISO 527-1/-2
Elongation at Break	1.8 %	1.8 %	ISO 527-1/-2
Tensile Modulus	15.6 GPa	2260 ksi	ISO 527-1/-2
Charpy Impact Unnotched	5.30 J/cm <sup>2</sup> @Temperature 23.0 °C	25.2 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.15 J/cm <sup>2</sup> @Temperature 23.0 °C	5.47 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	215 °C	419 °F	ISO 75-1/-2
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	IEC 60695-11-10
	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	$\geq 1.00 \times 10^{15}$ ohm-cm	$\geq 1.00 \times 10^{15}$ ohm-cm	IEC 60093

## 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