

DSM Arnite® B604T PBT-I

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Unreinforced, Molded

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Arnite-B604T-PBT-I.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ISO 1183
Water Absorption	0.40 %	0.40 %	Sim. To ISO 62
Moisture Absorption	0.150 %	0.150 %	Sim. To ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	44.0 MPa	6380 psi	ISO 527-1/-2
Elongation at Break	15 %	15 %	ISO 527-1/-2
Elongation at Yield	3.2 %	3.2 %	ISO 527-1/-2
Tensile Modulus	2.00 GPa	290 ksi	ISO 527-1/-2
Charpy Impact Unnotched	0.550 J/cm ² @Temperature 23.0 °C	2.62 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	95.0 µm/m-°C	52.8 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	95.0 µm/m-°C	52.8 µin/in-°F	ISO 11359-1/-2
Deflection Temperature at 0.46 MPa (66 psi)	125 °C	257 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ISO 75-1/-2

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