

DSM Arnitel® VT3108 TPC-ET

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyester TPE , Polyester, TP

Material Notes:

Extrusion Grade, High Breathable, Drying of Material Required

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Arnitel-VT3108-TPC-ET.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183
Water Absorption	33 %	33 %	Sim. To ISO 62
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	cm ³ /10min Melt Volume-flow Rate; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45 @Time 3.00 sec	45 @Time 0.000833 hour	ISO 868
Tensile Strength, Ultimate	20.0 MPa	2900 psi	ISO 527-1/-2
Tensile Stress	5.10 MPa @Strain 5.00 %	740 psi @Strain 5.00 %	ISO 527-1/-2
	8.10 MPa @Strain 10.0 %	1170 psi @Strain 10.0 %	ISO 527-1/-2
	12.5 MPa @Strain 50.0 %	1810 psi @Strain 50.0 %	ISO 527-1/-2
	14.1 MPa @Strain 100 %	2050 psi @Strain 100 %	ISO 527-1/-2
Elongation at Break	280 %	280 %	ISO 527-1/-2
Tensile Modulus	0.110 GPa	16.0 ksi	ISO 527-1/-2
Izod Impact Resistance	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 180/1A
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	ISO 180/1A

Mechanical Properties ^d	^{NB} Metric	^{NB} English	Comments ^A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	NB	NB	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	185 °C	365 °F	10°C/min; ISO 11357-1/-3

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