

DSM Arnitel® XG6029 TPC-ET

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

Material Notes:

Extrusion Grade

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Arnitel-XG6029-TPC-ET.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Water Absorption	0.20 %	0.20 %	Sim. To ISO 62
Moisture Absorption	0.640 %	0.640 %	Sim. To ISO 62
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 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 A	88 @Time 3.00 sec	88 @Time 0.000833 hour	ISO 868
Hardness, Shore D	42 @Time 3.00 sec	42 @Time 0.000833 hour	ISO 868
Tensile Strength, Ultimate	9.70 MPa	1410 psi	ISO 527-1/-2
Tensile Stress	2.60 MPa @Strain 10.0 %	377 psi @Strain 10.0 %	ISO 527-1/-2
	4.50 MPa @Strain 100 %	653 psi @Strain 100 %	ISO 527-1/-2
Elongation at Break	420 %	420 %	ISO 527-1/-2
Tensile Modulus	0.0450 GPa	6.53 ksi	ISO 527-1/-2

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	180 µm/m-°C	100 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	190 µm/m-°C	106 µin/in-°F	ISO 11359-1/-2
Melting Point	180 °C	356 °F	10°C/min; ISO 11357-1/-3

Electrical Properties	Metric	English	Comments
Volume Resistivity	8.30e+12 ohm-cm	8.30e+12 ohm-cm	IEC 60093
Dielectric Constant	3.5	3.5	IEC 60250
	3.7	3.7	IEC 60250
Dielectric Strength	19.7 kV/mm	500 kV/in	IEC 60243-1

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