

DSM Arnitel® XG5857 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-XG5857-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	0.650 %	0.650 %	Sim. To ISO 62
Melt Flow	4.3 g/10 min @Load 2.16 kg, Temperature 230 °C	4.3 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
Tensile Strength, Ultimate	10.6 MPa	1540 psi	ISO 527-1/-2
Tensile Stress	3.50 MPa @Strain 10.0 %	508 psi @Strain 10.0 %	ISO 527-1/-2
	5.30 MPa @Strain 100 %	769 psi @Strain 100 %	ISO 527-1/-2
Elongation at Break	440 %	440 %	ISO 527-1/-2
Tensile Modulus	0.0600 GPa	8.70 ksi	ISO 527-1/-2

Thermal Properties	Metric	English	Comments
Melting Point	195 °C	383 °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 Strength	19.8 kV/mm	503 kV/in	IEC 60243-1

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