

DSM Arnitel® EM631-HB TPC-ET

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

Material Notes:

Extrusion Grade, Heat Stabilized

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Arnitel-EM631-HB-TPC-ET.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ISO 1183
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 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 D	56 @Time 3.00 sec	56 @Time 0.000833 hour	ISO 868
Tensile Strength, Ultimate	31.0 MPa	4500 psi	ISO 527-1/-2
Tensile Stress	11.4 MPa @Strain 5.00 %	1650 psi @Strain 5.00 %	ISO 527-1/-2
	16.5 MPa @Strain 10.0 %	2390 psi @Strain 10.0 %	ISO 527-1/-2
	20.9 MPa @Strain 50.0 %	3030 psi @Strain 50.0 %	ISO 527-1/-2
	22.1 MPa @Strain 100 %	3210 psi @Strain 100 %	ISO 527-1/-2
Elongation at Break	250 %	250 %	ISO 527-1/-2
Tensile Modulus	0.260 GPa	37.7 ksi	ISO 527-1/-2

Thermal Properties	Metric	English	Comments
Melting Point	212 °C	414 °F	10°C/min; ISO 11357-1/-3

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