

DuPont Performance Polymers Hytrel® 3078FG TPC-ET (Unverified Data**)

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

Material Notes:

Hytrel® 3078FG is a high performance thermoplastic elastomer with food compliance specificity. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytrel-3078FG-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	26.0 MPa @Temperature 23.0 °C	3770 psi @Temperature 73.4 °F	ISO 527 (1BA bar)
Tensile Stress	2.00 MPa @Strain 10.0 %, Temperature 23.0 °C	290 psi @Strain 10.0 %, Temperature 73.4 °F	ISO 527 (1BA bar)
Elongation at Break	650 % @Temperature 23.0 °C	650 % @Temperature 73.4 °F	ISO 527 (1BA bar)
Flexural Modulus	0.0140 GPa @Temperature 100 °C	2.03 ksi @Temperature 212 °F	ISO 178
	0.0280 GPa @Temperature 23.0 °C	4.06 ksi @Temperature 73.4 °F	ISO 178
	0.145 GPa @Temperature -40.0 °C	21.0 ksi @Temperature -40.0 °F	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	170 °C	338 °F	10°C/min; ISO 11357-1/-3

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 210 °C	392 - 410 °F	

Descriptive Properties	Value	Comments
Appearance	Natural Color	
Forms	Pellets	
Generic	TPC-ET	
Material Status	Preliminary Data	
Processing Method	Injection Molding	
Product Category	Food Contact Resins	
Region Available - Global	Yes	
RoHS Compliance	Contact Manufacturer	
Uses	Food Applications, Non-specific	

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