

DuPont Performance Polymers Hytrel® BM6574 BK316 TPC-ET (Unverified Data**)

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

Material Notes:

Hytrel® BM6574 is a 65 nom. Shore D, plasticiser free high performance resin for blow molding and extrusion; it shows ageing resistance up to 150°C, and excellent mechanical properties at elevated temperatures. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytrel-BM6574-BK316-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Water Absorption	0.40 % @Temperature 23.0 °C	0.40 % @Temperature 73.4 °F	Immersion 24h; ISO 62
Melt Flow	4.5 g/10 min @Load 10.0 kg, Temperature 250 °C	4.5 g/10 min @Load 22.0 lb, Temperature 482 °F	ISO 1133
	20 g/10 min @Load 2.16 kg, Temperature 250 °C	20 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62 @Time 15.0 sec	62 @Time 0.00417 hour	ISO 868
	65 @Time 1.00 sec	65 @Time 0.000278 hour	ISO 868
Tensile Strength at Break	28.0 MPa @Temperature 23.0 °C	4060 psi @Temperature 73.4 °F	ISO 527 (1BA bar)
Tensile Stress	17.9 MPa @Strain 5.00 %, Temperature 23.0 °C	2600 psi @Strain 5.00 %, Temperature 73.4 °F	ISO 527 (1BA bar)
	19.7 MPa @Strain 10.0 %, Temperature 23.0 °C	2860 psi @Strain 10.0 %, Temperature 73.4 °F	ISO 527 (1BA bar)
Elongation at Break	200 % @Temperature 23.0 °C	200 % @Temperature 73.4 °F	ISO 527 (1BA bar)

Mechanical Properties	0.650 GPa Metric	94.3 ksi English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	1.45 J/cm ²	6.90 ft-lb/in ²	ISO 179/1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	10.0 J/cm ²	47.6 ft-lb/in ²	partial break; ISO 179/1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ISO 75-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	245 °C	473 °F	Optimum; Blow Molding
	240 - 250 °C	464 - 482 °F	Blow Molding
Drying Temperature	110 °C	230 °F	Blow Molding
Dry Time	3.00 - 4.00 hour	3.00 - 4.00 hour	Blow Molding
Moisture Content	<= 0.020 %	<= 0.020 %	Blow Molding

Descriptive Properties	Value	Comments
Appearance	Black Color	
Generic	TPC-ET	
Material Status	Preliminary Data	
Part Marking Code	>TPC-ET + PBT<	ISO 11469
Processing Method	Blow Moldable	
Product Category	Blow Moldable Resins	
	Extrusion Resins	
Resin Identification	TPC-ET + PBT	ISO 1043
RoHS Compliance	Contact Manufacturer	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China