

DuPont Performance Polymers Hytrel® 4056P Polyester Elastomer TPC-ET (Unverified Data**)

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

Material Notes:

40 Shore D High Performance Polyester Elastomer in Powder Form Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytrel-4056P-Polyester-Elastomer-TPC-ET-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Melt Flow	5.0 g/10 min	5.0 g/10 min	cm³/10min; ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	5.6 g/10 min	5.6 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	37	37	15s; ISO 868
	<= 43	<= 43	ISO 868
Tensile Strength at Break	26.0 MPa	3770 psi	ISO 527-1/-2
Tensile Stress	2.40 MPa	348 psi	ISO 527-1/-2
	@Strain 5.00 %	@Strain 5.00 %	
	4.60 MPa	667 psi	ISO 527-1/-2
	@Strain 10.0 %	@Strain 10.0 %	
	8.40 MPa	1220 psi	ISO 527-1/-2
	@Strain 50.0 %	@Strain 50.0 %	
Elongation at Break	>= 300 %	>= 300 %	ISO 527-1/-2
	500 %	500 %	Nominal; ISO 527-1/-2
Flexural Modulus	0.0640 GPa	9.28 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	NB	NB	ISO 179/1eU
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	NB	NB	ISO 179/1eA

Mechanical Properties	Metric	English	Comments
	@Temperature -30.0 °C	@Temperature -22.0 °F	ISO 179/1eA
Tensile Impact Strength	230 kJ/m²	109 ft-lb/in²	notched; ISO 8256/1
Tensile Creep Modulus, 1 hour	54.0 MPa	7830 psi	ISO 899-1
	@Time 3600 sec	@Time 1.00 hour	
Tensile Creep Modulus, 1000 hours	40.0 MPa	5800 psi	ISO 899-1
	@Time 3.60e+6 sec	@Time 1000 hour	
Tear Strength	96.0 kN/m	548 pli	normal; ISO 34-1
	102 kN/m	582 pli	parallel; ISO 34-1
Abrasion	200	200	mm³; ISO 4649

Thermal Properties	Metric	English	Comments
Melting Point	152 °C	306 °F	10°C/min; ISO 11357-1/-3
Glass Transition Temp, Tg	-50.0 °C	-58.0 °F	10°C/min; ISO 11357-1/-2

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	IEC 60112

Descriptive Properties	Value	Comments
Delivery Form	Powder	
Processing	Thermoforming	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	TPC-ET	ISO 1043
Special Characteristics	Light stabilised or stable to light	

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