

## DuPont Performance Polymers Hytrel® HTR8685 BK022A Polyester Elastomer TPC-ET (Unverified Data\*\*)

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

### Material Notes:

44 Shore D Lubricated High Viscosity Polyester Elastomer with Superior Fatigue Resistance Developed for Blow Molding Hytrel HTR8685 BK022A is designed for blow molding or processing techniques requiring high melt viscosity. It has nominal hardness of 4 Information provided by DuPont Performance Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Performance-Polymers-Hytrel-HTR8685-BK022A-Polyester-Elastomer-TPC-ET-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Hytrel-HTR8685-BK022A-Polyester-Elastomer-TPC-ET-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.017 cm/cm	0.017 in/in	ISO 294-4 2577
Linear Mold Shrinkage, Transverse	0.016 cm/cm	0.016 in/in	ISO 294-4 2577

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	41	41	15s; ISO 868
	<= 44	<= 44	ISO 868
Tensile Strength at Break	30.0 MPa	4350 psi	ISO 527-1/-2
Tensile Stress	8.40 MPa	1220 psi	ISO 527-1/-2
	@Strain 10.0 %	@Strain 10.0 %	
Elongation at Break	14.0 MPa	2030 psi	ISO 527-1/-2
	@Strain 50.0 %	@Strain 50.0 %	
Tensile Modulus	>= 300 %	>= 300 %	ISO 527-1/-2
	350 %	350 %	Nominal; ISO 527-1/-2
Flexural Modulus	0.100 GPa	14.5 ksi	ISO 527-1/-2
Charpy Impact, Notched	0.100 GPa	14.5 ksi	ISO 178
Tear Strength	NB	NB	ISO 179/1eA
Tear Strength	109 kN/m	622 pli	normal; ISO 34-1
	112 kN/m	639 pli	parallel; ISO 34-1

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	210 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	117 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ISO 11359-1/-2
CTE, linear, Transverse to Flow	200 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	111 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ISO 11359-1/-2
Melting Point	206 $^\circ\text{C}$	403 $^\circ\text{F}$	10 $^\circ\text{C}/\text{min}$ ; ISO 11357-1/-3

Descriptive Properties	Value	Comments
Part Marking Code	>TPC-ET<	ISO 11469
Processing	Blow Moulding	
	Profile Extrusion	
Regional Availability	Asia Pacific	
	Europe	
	Global	
	Near East/Africa	
	North America	
	South and Central America	
Resin Identification	TPC-ET	ISO 1043
Special Characteristics	Heat stabilised or stable to heat	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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