

DSM Arnitel® PB420-B TPC-ET

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

Material Notes:

Blow Molding Grade

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Arnitel-PB420-B-TPC-ET.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ISO 1183
Melt Flow	11 g/10 min @Load 10.0 kg, Temperature 230 °C	11 g/10 min @Load 22.0 lb, Temperature 446 °F	cm ³ /10min Melt Volume-flow Rate; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	37 @Time 3.00 sec	37 @Time 0.000833 hour	ISO 868
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ISO 527-1/-2
Tensile Stress	3.50 MPa @Strain 5.00 %	508 psi @Strain 5.00 %	ISO 527-1/-2
	6.00 MPa @Strain 10.0 %	870 psi @Strain 10.0 %	ISO 527-1/-2
	11.6 MPa @Strain 50.0 %	1680 psi @Strain 50.0 %	ISO 527-1/-2
	15.2 MPa @Strain 100 %	2200 psi @Strain 100 %	ISO 527-1/-2
Elongation at Break	180 %	180 %	ISO 527-1/-2
Tensile Modulus	0.0700 GPa	10.2 ksi	ISO 527-1/-2
Izod Impact Resistance	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 180/1A
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	ISO 180/1A
Charpy Impact, Notched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eA

Mechanical Properties	Metric	English	Comments
	@Temperature -30.0 °C	@Temperature -22.0 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	212 °C	414 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	65.0 °C	149 °F	ISO 75-1/-2

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