

## DSM Arnitel® PB420 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-TPC-ET.php](http://www.lookpolymers.com/polymer_DSM-Arnitel-PB420-TPC-ET.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	38 @Time 3.00 sec	38 @Time 0.000833 hour	ISO 868
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ISO 527-1/-2
Tensile Stress	3.70 MPa @Strain 5.00 %	537 psi @Strain 5.00 %	ISO 527-1/-2
	6.20 MPa @Strain 10.0 %	899 psi @Strain 10.0 %	ISO 527-1/-2
	12.2 MPa @Strain 50.0 %	1770 psi @Strain 50.0 %	ISO 527-1/-2
	16.0 MPa @Strain 100 %	2320 psi @Strain 100 %	ISO 527-1/-2
Elongation at Break	170 %	170 %	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	210 °C	410 °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.

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