

## Adell HI-10 Impact Modified PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Impact Grade

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Adell-HI-10-Impact-Modified-PBT.php](http://www.lookpolymers.com/polymer_Adell-HI-10-Impact-Modified-PBT.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D792
Water Absorption	0.060 %	0.060 %	24 hr immersion; ASTM D570
Linear Mold Shrinkage	0.012 - 0.016 cm/cm	0.012 - 0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	78	78	ASTM D785
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Ultimate	45.0 MPa	6530 psi	ASTM D638
Flexural Strength	80.0 MPa	11600 psi	ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Compressive Yield Strength	82.7 MPa	12000 psi	ASTM D695
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm	2.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	210 - 227 °C	410 - 440 °F	ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	138 °C	280 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ASTM D648
Flammability, UL94	HB	HB	

## Contact Songhan Plastic Technology Co.,Ltd.

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