

Adell PBT HI-10

Polybutylene Terephthalate

Adell Plastics, Inc.

Message:

Adell PBT HI-10 is a Polybutylene Terephthalate (PBT) material. It is available in North America.

Important attributes of Adell PBT HI-10 are:

Flame Rated

Impact Modified

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 to 1.6	%	ASTM D955
Water Absorption (24 hr)	0.060	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	78		
R-Scale	116		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	44.8	MPa	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Compressive Strength	82.7	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	138	°C	
1.8 MPa, Unannealed	50.0	°C	
Melting Temperature	210 to 227	°C	
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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Recommended distributors for this material

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