

Adell PBT HR-36

Polybutylene Terephthalate

Adell Plastics, Inc.

Message:

Adell PBT HR-36 is a Polybutylene Terephthalate (PBT) material filled with 30% glass fiber. It is available in North America.

Important attributes of Adell PBT HR-36 are:

Flame Rated

Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Water Absorption (24 hr)	0.040	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	84		
R-Scale	118		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	140	MPa	ASTM D638
Flexural Modulus	8550	MPa	ASTM D790
Flexural Strength	195	MPa	ASTM D790
Compressive Strength	124	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	216	°C	
1.8 MPa, Unannealed	198	°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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