

Adell PET WR-37

Polyethylene Terephthalate

Adell Plastics, Inc.

Message:

Adell PET WR-37 is a Polyethylene Terephthalate (PET) material filled with 33% glass fiber. It is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	112		
R-Scale	121		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	160	MPa	ASTM D638
Flexural Modulus	9170	MPa	ASTM D790
Flexural Strength	240	MPa	ASTM D790
Compressive Strength	233	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	247	°C	
1.8 MPa, Unannealed	225	°C	
Melting Temperature	232 to 249	°C	

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Recommended distributors for this material

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