

Adell PET WL-37

Polyethylene Terephthalate

Adell Plastics, Inc.

Message:

Adell PET WL-37 is a Polyethylene Terephthalate (PET) material filled with 35% glass\mineral. It is available in North America. Primary attribute of Adell PET WL-37: Flame Rated.

General Information			
Filler / Reinforcement	Glass\Mineral,35% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.62	g/cm ³	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	85		
R-Scale	119		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	117	MPa	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	169	MPa	ASTM D790
Compressive Strength	141	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	238	°C	
1.8 MPa, Unannealed	210	°C	
Melting Temperature	232 to 249	°C	ASTM D789
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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