

Adell PET WR-36

Polyethylene Terephthalate

Adell Plastics, Inc.

Message:

Adell PET WR-36 is a Polyethylene Terephthalate (PET) material filled with 30% glass fiber. It is available in North America. Primary attribute of Adell PET WR-36: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	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	110		
R-Scale	120		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	155	MPa	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength	231	MPa	ASTM D790
Compressive Strength	228	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	100	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	224	°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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

