

Adell Polyolefin ZR-37

Polyolefin

Adell Plastics, Inc.

Message:

Adell Polyolefin ZR-37 is a Polyolefin material filled with 35% glass fiber. It is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Water Absorption (24 hr)	0.40	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	88		
R-Scale	120		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	138	MPa	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Compressive Strength	152	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	177	°C	
1.8 MPa, Unannealed	158	°C	
Melting Temperature	210 to 221	°C	

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Recommended distributors for this material

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