

Adell Polyamide AJ-37

Polyamide 66

Adell Plastics, Inc.

Message:

Adell Polyamide AJ-37 is a Polyamide 66 (Nylon 66) material filled with 33% glass fiber. It is available in North America.

Important attributes of Adell Polyamide AJ-37 are:

Flame Rated

Impact Resistant

Typical application of Adell Polyamide AJ-37: Automotive

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Features	High Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32 to 1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Water Absorption (24 hr)	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	90		
R-Scale	120		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	145	MPa	ASTM D638
Tensile Elongation (Break)	3.0 to 4.0	%	ASTM D638
Flexural Modulus	6760	MPa	ASTM D790
Flexural Strength	203	MPa	ASTM D790
Compressive Strength	159	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	> 249	°C	
1.8 MPa, Unannealed	246	°C	
Melting Temperature	249 to 260	°C	ASTM D789
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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