

Adell Polyamide AR-37

Polyamide 66

Adell Plastics, Inc.

Message:

Adell Polyamide AR-37 is a polyamide 66 (nylon 66) material, which contains a 33% glass fiber reinforced material. This product is available in North America.

The typical application field of Adell Polyamide AR-37 is: automobile industry

General Information			
UL YellowCard	E44974-235694		
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.60	%	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
Class m	98		ASTM D785
Class r	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	186	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength	265	MPa	ASTM D790
Compressive Strength	245	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	249	°C	ASTM D648
1.8 MPa, not annealed	246	°C	ASTM D648
Melting Temperature	254 - 271	°C	
Additional Information			

DTUL @ 66 psi, ASTM D648: >480°FElongation at Break, ASTM D638: 3 to 4%Specific Gravity, ASTM D792: 1.28 to 1.3

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