

# Adell Polyamide AT-37

Polyamide 66

Adell Plastics, Inc.

## Message:

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

Important attributes of Adell Polyamide AT-37 are:

Flame Rated

Impact Modified

Typical application of Adell Polyamide AT-37: Automotive

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34 to 1.36	g/cm <sup>3</sup>	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	95		
R-Scale	121		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	152	MPa	ASTM D638
Tensile Elongation (Break)	3.0 to 4.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	228	MPa	ASTM D790
Compressive Strength	179	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130	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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## 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

