

Adell Polyamide AB-36

Polyamide 66

Adell Plastics, Inc.

Message:

Adell Polyamide AB-36 is a Polyamide 66 (Nylon 66) material filled with 30% glass bead. It is available in North America.

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.90 to 1.2	%	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	96		
R-Scale	121		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	93.1	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4310	MPa	ASTM D790
Flexural Strength (Yield)	121	MPa	ASTM D790
Compressive Strength	234	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	218	°C	
1.8 MPa, Unannealed	85.0	°C	
Melting Temperature	254 to 266	°C	

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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



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