

Adell Polyamide AI-10

Polyamide 66

Adell Plastics, Inc.

Message:

Adell Polyamide AI-10 is a Polyamide 66 (Nylon 66) material. It is available in North America.

Important attributes of Adell Polyamide AI-10 are:

Flame Rated

Impact Modified

Typical application of Adell Polyamide AI-10: Automotive

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08 to 1.10	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1 to 1.4	%	ASTM D955
Water Absorption (24 hr)	1.1	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	70		
R-Scale	112		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.2	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	1930	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Compressive Strength	75.8	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	170	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	70.0	°C	
Melting Temperature	249 to 260	°C	ASTM D789
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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