

Adell Polyamide AF-10-669

Polyamide 66

Adell Plastics, Inc.

Message:

Adell Polyamide AF-10-669 is a Polyamide 66 (Nylon 66) material. It is available in North America.

Important attributes of Adell Polyamide AF-10-669 are:

Flame Retardant

Impact Resistant

General Information			
Features	Flame Retardant		
	Good Impact Resistance		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.1 to 1.4	%	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
M-Scale	77		
R-Scale	113		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	47.6	MPa	ASTM D638
Tensile Elongation (Break)	48	%	ASTM D638
Flexural Modulus	1570	MPa	ASTM D790
Flexural Strength (Yield)	55.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	210	°C	
1.8 MPa, Unannealed	67.8	°C	
Melting Temperature	243 to 254	°C	
Electrical	Nominal Value	Unit	Test Method
Arc Resistance	68.0	sec	ASTM D495
Comparative Tracking Index (CTI)	600	V	UL 746
High Amp Arc Ignition (HAI)	200		UL 746
High Voltage Arc Tracking Rate (HVTR)	17.8	mm/min	UL 746
Hot-wire Ignition (HWI)	130	sec	UL 746

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