

Adell Polyamide AF-10-660

Polyamide 66

Adell Plastics, Inc.

Message:

Adell Polyamide AF-10-660 is a Polyamide 66 (Nylon 66) material. It is available in North America. Primary attribute of Adell Polyamide AF-10-660: Flame Retardant.

General Information			
UL YellowCard	E44974-235683		
Features	Flame Retardant		
Appearance	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.90 to 1.2	%	ASTM D955
Water Absorption (24 hr)	1.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	64.1	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength (Yield)	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Tensile Impact Strength	137	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	193	°C	
1.8 MPa, Unannealed	76.7	°C	
Melting Temperature	249 to 260	°C	
CLTE - Flow	7.7E-5	cm/cm/°C	ASTM D696
RTI Elec (1.47 mm)	65.0	°C	UL 746
RTI Imp (1.47 mm)	65.0	°C	UL 746
RTI Str (1.47 mm)	65.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Arc Resistance	104	sec	ASTM D495
High Amp Arc Ignition (HAI)	200		UL 746
High Voltage Arc Tracking Rate (HVTR)	12.7	mm/min	UL 746
Hot-wire Ignition (HWI)	8.0	sec	UL 746

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