

Adell Polyamide AG-16-662

Polyamide 66

Adell Plastics, Inc.

Message:

Adell Polyamide AG-16-662 is a Polyamide 66 (Nylon 66) material filled with 30% glass fiber. It is available in North America. Primary attribute of Adell Polyamide AG-16-662: Flame Retardant.

General Information			
UL YellowCard	E44974-235688		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.70	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	138	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Modulus	9650	MPa	ASTM D790
Flexural Strength (Yield)	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	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	232	°C	
Melting Temperature	254 to 266	°C	
CLTE - Flow	2.2E-5	cm/cm/°C	ASTM D696
RTI Elec (0.710 mm)	65.0	°C	UL 746
RTI Imp (0.710 mm)	65.0	°C	UL 746
RTI Str (0.710 mm)	65.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Arc Resistance (3.05 mm)	60.0	sec	ASTM D495
Comparative Tracking Index (CTI) (3.05 mm)	213	V	UL 746
High Amp Arc Ignition (HAI) (0.100 mm)	90.0		UL 746
High Voltage Arc Tracking Rate (HVTR)			UL 746
0.710 mm	150	mm/min	
3.05 mm	115	mm/min	

Hot-wire Ignition (HWI)		UL 746
0.710 mm	90	sec
1.47 mm	120	sec

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