Component - Plastics

File Number: E70062

ASCEND PERFORMANCE MATERIALS, LLC
3000 OLD CHEMSTRAND RD
CANTONMENT, FL 32533-8900 United States

VYDYNE or Starflam: ECO315(e), ECO315J(e), 315(e), 315J(e)

Polyamide 66/6 (PA66/6), pellets, non-halogenated

(e) - Virgin and regrind up to 50% by weight have the same basic material characteristics.
Note - Material designation may be followed by an alpha numeric color designation

Flammability	Value	Test Method
Flame Rating		UL 94 IEC 60695-11-10, -20
0.38 mm, ALL	V-0	
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Glow Wire Flammability Index		IEC 60695-2-12
0.38 mm	960 °C	
0.75 mm	960 °C	
1.5 mm	960 °C	
3.0 mm	960 °C	
Glow Wire Ignition Temperature		IEC 60695-2-13
0.38 mm	875 °C	
0.75 mm	875 °C	
1.5 mm	775 °C	
3.0 mm	725 °C	
Electrical	**Value**	**Test Method**
Hot-wire Ignition (HWI)		UL 746A
0.38 mm	PLC 4	
0.75 mm	PLC 4	
1.5 mm	PLC 4	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746A
0.38 mm	PLC 0	
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	13 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	UL 746A
Inclined-Plane Tracking	1.0 kV	ASTM D2303
Volume Resistivity	1.0E+11 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 5	ASTM D495
Comparative Tracking Index	600 V	IEC 60112

Form Number: E70062-249073

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Thermal	Value	Test Method
RTI Elec		UL 746B
0.38 mm	130 °C	
0.75 mm	130 °C	
1.5 mm	130 °C	
3.0 mm	130 °C	
RTI Imp		UL 746B
0.38 mm	65.0 °C	
0.75 mm	65.0 °C	
1.5 mm	85.0 °C	
3.0 mm	85.0 °C	
RTI Str		UL 746B
0.38 mm	100 °C	
0.75 mm	100 °C	
1.5 mm	100 °C	
3.0 mm	110 °C	
Ball Pressure Test (225°C)	Pass	IEC 60695-10-2
Physical	**Value**	**Test Method**
Dimensional Change	0.0 %	ASTM D1042 ISO 2796
RoHS Compliance	**Value**	**Test Method**
RoHS 2011/65/EU Material (NC, BK)	+863 Compliant	UL 746R/IEC 62321
Halogen Content	**Value**	**Test Method**
Non-Halogenated Material (NC, BK)	Compliant	UL 746H/C-IC

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