

Component - Plastics



E70062

**ASCEND PERFORMANCE MATERIALS L L C**

3000 OLD CHEMSTRAND RD, CANTONMENT FL 32633

*Rev. 001*

**21X(a)(f2), 21SPG(a)(f2), 20NSP(a)(f2), 21SPF(a)(f2), 21SPM(a)(f2), 21SPC(a)(f2)**

Polyamide 66 (PA66), "VYDYNE", furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.40	V-2	-	-	130	75	75
	0.71	V-2	4	0	130	75	85
	1.0	V-2	4	0	130	75	85
	1.5	V-2	3	0	130	75	85
	3.0	V-2	3	0	130	75	85

Comparative Tracking Index (CTI): 0  
 Dielectric Strength (kV/mm): 26  
 High-Voltage Arc Tracking Rate (HVTR): 0  
 Dimensional Stability (%): 1.6  
 Inclined Plane Tracking (IPT): -  
 Volume Resistivity (10<sup>x</sup> ohm-cm) : 10  
 High Volt, Low Current Arc Resis (D495): 5

(a) - Virgin and regrind up to 50% by weight have the same basic material characteristics. Outdoor rating does not apply to regrind material.

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

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**IEC and ISO Test Methods**

Test Name	Test Method	Units	Thickness Tested (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.40	V-2 (ALL)
			0.71	V-2 (ALL)
			1.0	V-2 (ALL)
			1.5	V-2 (ALL)
			3.0	V-2 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	0.71	800
			1.0	800
			1.5	800
			3.0	930
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	0.71	700
			1.0	700
			1.5	700
			3.0	700
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	C	3.0	240
ISO Heat Deflection (1.80 MPa)	ISO 75-2	C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-2	kJ/m <sup>2</sup>	-	-

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*D. L. 3/15/12*