

Component - Plastics



E70062

ASCEND PERFORMANCE MATERIALS L L C

3000 OLD CHEMSTRAND RD, CANTONMENT FL 32633

Plas. 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^x 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 ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-

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