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Component - Plastics [\[guide info\]](#)

E70062

ASCEND PERFORMANCE MATERIALS, LLC

3000 OLD CHEMSTRAND ROAD, CANTONMENT FL 32533-8900

25WSP(e)(f1)

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

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

Comparative Tracking Index (CTI): 0

Dielectric Strength (kV/mm): 26

High-Voltage Arc Tracking Rate (HVTR): 0

Dimensional Stability (%): -

Inclined Plane Tracking (IPT): -

Volume Resistivity (10^X ohm-cm): -

High Volt, Low Current Arc Resis (D495): 5

(e) - Virgin and regrind up to 50% by weight have the same basic material characteristics.

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

Note - Material designation may be followed by an alpha numeric color designation

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	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.71	V-2 (BK)
			0.75	V-2 (BK)
			1.5	V-2 (BK)
			3.0	V-2 (BK)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	0.75	850
			1.5	875
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	0.75	700
			1.5	700
			3.0	725
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	C	-	-
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	-	-