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Component - Plastics**E70062**[\[guide info\]](#)**ASCEND PERFORMANCE MATERIALS, LLC**

3000 OLD CHEMSTRAND ROAD, CANTONMENT FL 32533-8900

41(d)

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

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.75	HB	4	0	125	75	85
	1.5	HB	3	0	125	75	85
	3.0	HB	3	0	125	75	85

Comparative Tracking Index (CTI): 0

Dielectric Strength (kV/mm): 26

High-Voltage Arc Tracking Rate (HVTR): 0

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT): -

Volume Resistivity (10^x ohm-cm): 11

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

(d) - Denotes an optional color code.

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)	0.75	HB75 (ALL)
			1.5	HB75 (ALL)
			3.0	HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	0.75	750
			1.5	700
			3.0	700
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	0.75	775
			1.5	725
			3.0	725
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	3.0	CTI600
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	-	-