

Component - Plastics

E207780

Guide Information

SABIC JAPAN L L C

PACIFIC GRADES - RESIN, 2-2 KINUGAOKA, MOKA-SHI TOCHIGI-KEN 321-4392 JP

V0150B(f1)(IT)

PPE+PS "Noryl", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
BK	0.8	V-1	0	0	110	105	115
	1.0	V-0	0	0	110	105	115
	1.5	V-0	0	0	110	105	115
	2.0	V-0, 5VA	0	0	110	105	115
	3.0	V-0, 5VA	0	0	110	105	115

Comparative Tracking Index (CTI): 2
Dielectric Strength (kV/mm): 54

Inclined Plane Tracking (IPT) kV: 2
Volume Resistivity (10^x ohm-cm): 16

High-Voltage Arc Tracking Rate (HVTR): 4

High Volt, Low Current Arc Resis
(D495): 6

Dimensional Stability (%): 0

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

IT - Inclined Plane Tracking per UL746A, average time to track at 2.0 kV is 60+ minutes.

NOTE - Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or numeric/alpha combination.

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.

Report
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Last
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**IEC and ISO Test Methods**

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10, IEC 60695-11-20	Class (color)	0.8	V-1 (BK)
			1.0	V-0 (BK)
			1.5	V-0 (BK)
			2.0	V-0, 5VA (BK)
			3.0	V-0, 5VA (BK)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	1.0	960
			1.5	960
			2.0	960
			3.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	1.0	775
			1.5	775
			2.0	775
			3.0	775
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	-	-