

Component - Plastics

E47960

Guide Information

DSM Engineering Plastics B V

Urmonderbaan 22, Geleen 6167 RD NL

TV4 270

Polybutylene Terephthalate (PBT) "Arnite", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.75	-	3	2	140	130	140
	1.5	HB	1	2	140	130	140
	3.0	HB	1	2	140	130	140

Comparative Tracking Index (CTI): 1

Dielectric Strength (kV/mm): 42

High-Voltage Arc Tracking Rate (HVTR): 2

Dimensional Stability (%): 1.1

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 12

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

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)	1.5	HB75 (ALL)
			3.0	HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
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	-	-