

Component - Plastics

E245249

Envalior

Flughafenstrasse 101, Dusseldorf 40474 DE

B4225+(f1)

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

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
ALL	0.75	-	4	2	130	120	130
	1.5	V-0	3	2	130	130	140
	3.0	V-0	2	2	130	130	140
	3.4	V-0, 5VA	2	2	130	130	140
	6.0	V-0, 5VA	1	2	130	130	140
Comparative Tracking Index (CTI):			3	Inclined Plane Tracking (IPT) kV:			-
Dielectric Strength (kV/mm):			25	Volume Resistivity (10 ^x ohm-cm):			12
High-Voltage Arc Tracking Rate (HVTR):			4	Surface Resistivity (10 ^x ohms/square):			-
Dimensional Change (%):			0.0	High Volt, Low Current Arc Resis (D495):			7

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

+ - Material designations may be followed by suffix numbers and/or letter(s) denoting color.

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 Date: 1975-12-02

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All dimensions in mm/inch

The permissible deviations according to DIN 16901 apply as tolerances

Warranties: refer to Terms and Conditions of Sale

NORWE GmbH

Paulstraße 5, Pernze
51702 Bergneustadt
Deutschland

Telefon +49 (0) 27 63-807-0
E-mail verkauf@norwe.de
Internet www.norwe.de
www.norwe.eu

NORWE Inc.

P.O. Box 25 11
North Canton, OH 44720-0511
United States of America

Telefon +1-330 497-8113
E-mail usa@norwe.com
Internet www.norwe.com



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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)	1.5	V-0 (ALL)
			3.0	V-0 (ALL)
			3.4	V-0, 5VA (ALL)
			6.0	V-0, 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	0.75	960
			1.5	960
			3.0	960
			3.4	960
			6.0	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	0.75	700
			1.5	700
			3.0	700
			3.4	700
			6.0	700
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC AC Dielectric Strength (AC DS)	IEC 60243-1	kV/mm	-	-
IEC DC Dielectric Strength (DC DS)	IEC 60243-2	kV/mm	-	-
IEC Volume Resistivity (VR)	IEC 62631-3-1	10 ^x ohm-m	-	-
IEC Surface Resistivity (SR)	IEC 62631-3-2	10 ^x ohms	-	-
IEC Inclined Plane Tracking (IPT)	IEC 60587	kV	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	213
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 179-1	kJ/m ²	-	-

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NORWE Inc.

P.O. Box 25 11
North Canton, OH 44720-0511
United States of America

Telefon +1-330 497-8113
E-mail usa@norwe.com
Internet www.norwe.com