

Component - Plastics

E245249

Envalior

Flughafenstrasse 101, Dusseldorf, 40474 Germany

B4225+(f1)

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

Color	Min. Thk (mm)	Flame Class	HWI (PLC)	HAI (PLC)	GWIT (°C)	GWFI (°C)	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
ALL	0.75	--	4	2	700	960	130	120	130
	1.5	V-0	3	2	700	960	130	130	140
	3.0	V-0	2	2	700	960	130	130	140
	3.4	V-0, 5VA	2	2	700	960	130	130	140
	6.0	V-0, 5VA	1	2	700	960	130	130	140

Comparative Tracking Index (CTI) (PLC):	3	IEC Comparative Tracking Index (V):	--	IEC CTI Material Group:	--
Inclined Plane Tracking (IPT) (kV):	--	High-Voltage Arc Tracking Rate (HVTR) (PLC):	4	Dielectric Strength (DS) (kV/mm):	25
Volume Resistivity (VR) (10 ^x ohm cm):	12	Surface Resistivity (SR) (10 ^x ohms/square):	--	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.

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

Last Revised: 2026-02-26

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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



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ISO/IEC Flammability Properties	Value	Test Method
Flammability		IEC 60695-11-10
1.5 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
3.4 mm, Color: ALL	V-0	
6.0 mm, Color: ALL	V-0	
Flammability		IEC 60695-11-20
3.4 mm, Color: ALL	5VA	
6.0 mm, Color: ALL	5VA	
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
0.75 mm	700 °C	
1.5 mm	700 °C	
3.0 mm	700 °C	
3.4 mm	700 °C	
6.0 mm	700 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12
0.75 mm	960 °C	
1.5 mm	960 °C	
3.0 mm	960 °C	
3.4 mm	960 °C	
6.0 mm	960 °C	

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