

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

© 2026 UL Solutions

ALSO CERTIFIED TO IEC REQUIREMENTS

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	