

Component - Plastics

E245249

Envalior

Flughafenstrasse 101, Dusseldorf, 40474 Germany

AKV30H2.0+, AKV30H2.0+M30R1, ECOAKV30H2.0+, AKV30H3.0+

Polyamide 66 (PA66) "Akulon", glass reinforced, 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	HB	4	0	725	700	125	90	110
	1.5	HB	4	0	725	700	125	105	115
	3.0	HB	3	0	750	700	125	105	115
	6.0	HB	1	0	750	700	125	105	115

Comparative Tracking Index (CTI) (PLC):

1

IEC Comparative Tracking Index (V):

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IEC CTI Material Group:

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Inclined Plane Tracking (IPT) (kV):

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High-Voltage Arc Tracking Rate (HVTR) (PLC):

1

Dielectric Strength (DS) (kV/mm):

25

Volume Resistivity (VR) (10^x ohm cm):

11

Surface Resistivity (SR) (10^x ohms/square):

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High Volt, Low Current Arc Resis (D495):

6

+ - 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: 1979-04-13

Last Revised: 2026-03-05

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ALSO CERTIFIED TO IEC REQUIREMENTS

ISO/IEC Flammability Properties	Value		Test Method
Flammability			IEC 60695-11-10
0.75 mm, Color: ALL	HB75		
1.5 mm, Color: ALL	HB75		
3.0 mm, Color: ALL	HB40		
6.0 mm, Color: ALL	HB40		
Glow Wire Ignition Temperature (GWIT)			IEC 60695-2-13
0.75 mm	725	°C	
1.5 mm	725	°C	
3.0 mm	750	°C	
6.0 mm	750	°C	
Glow Wire Flammability Index (GWFI)			IEC 60695-2-12
0.75 mm	700	°C	
1.5 mm	700	°C	
3.0 mm	700	°C	
6.0 mm	700	°C	