

KUMHO PETROCHEMICAL

KUMHO BLDG 57, 15TH & 16TH FL, 57 SHINMMUNRO, 1-KA, CHONGNO-KU, SEOUL 110-061 KR

HI-425E

Polystyrene (PS), furnished as pellets

Color	Min Thk (mm)	Flame Class	HWM	HAI	RTI Elec	RTI Imp	RTI Str
ALL	1.5	HB	4	0	50	50	50
	3.0	HB	3	1	50	50	50
	6.0	HB	2	1	50	50	50

Comparative Tracking Index (CTI): **1**Dimensional Stability (%): **0.0**High-Voltage Arc Tracking Rate (HVTR): **2**High Volt, Low Current Arc Resis (D495): **5**Dielectric Strength (kV/mm): **45**Volume Resistivity (10^X ohm-cm): **15**

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	Thickness Tested (mm)	Value
IEC Flammability	IEC 60695-11-10	Class (color)	1.5	HB75 (ALL)
			3.0	HB40 (ALL)
			6.0	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	-	-

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