

## KUMHO PETROCHEMICAL

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

## HI-425TV

Polystyrene (PS), furnished as pellets

| Color | Min Thk<br>(mm) | Flame<br>Class | HWI | HAI | RTI<br>Elec | RTI<br>Imp | RTI<br>Str |
|-------|-----------------|----------------|-----|-----|-------------|------------|------------|
| ALL   | 1.5             | HB             | 4   | 1   | 50          | 50         | 50         |
|       | 3.0             | HB             | 3   | 0   | 50          | 50         | 50         |
|       | 6.0             | HB             | 2   | 0   | 50          | 50         | 50         |

Comparative Tracking Index (CTI): **1**Dimensional Stability (%): **0.0**High-Voltage Arc Tracking Rate (HVTR): **1**High Volt, Low Current Arc Resis (D495): **5**Dielectric Strength (kV/mm): **48**Volume Resistivity (10<sup>X</sup> ohm-cm): **16**

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<br>Tested (mm) | Value                                  |
|--------------------------------|-----------------|-------------------|--------------------------|--|
| IEC Flammability               | IEC 60695-11-10 | Class (color)     | 1.5<br>3.0<br>6.0        | HB75 (ALL)<br>HB40 (ALL)<br>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 <sup>2</sup> | -                        | -                                      |
| ISO Izod Impact                | ISO 180         | kJ/m <sup>2</sup> | -                        | -                                      |
| ISO Charpy Impact              | ISO 179-2       | kJ/m <sup>2</sup> | -                        | -                                      |

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