

KOREA KUMHO PETROCHEMICAL CO LTD

EAST WING 10-14F, SIGNATURE TOWERS SEOUL, 100 CHEONGGYEcheon-ro JUNG-GU, SEOUL 100-230 KR

HAB-8710NH

ABS/Polybutylene Terephthalate (ABS/PBT), furnished as pellets

| Color | Min Thk (mm) | Flame Class | HWI | HAI | RTI Elec | RTI Imp | RTI Str |
|--------|-----------------|----------------|-----|-----|-------------|------------|------------|
| ALL | 1.0-1.69 | V-2 | 4 | 3 | 60 | 60 | 60 |
| | 1.70-1.87 | V-2 | 4 | 1 | 60 | 60 | 60 |
| NC, BK | 1.70 | V-2 | 4 | 1 | 60 | 60 | 60 |
| | 3.24 | V-2 | 2 | 0 | 60 | 60 | 60 |

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): 2

Dimensional Stability (%): -

Inclined Plane Tracking (IPT): -

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

High Volt, Low Current Arc Resis (D495): 6

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: 2004-01-13

Last Revised: 2005-11-02

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IEC and ISO Test Methods

| Test Name | Test Method | Units | Thickness Tested (mm) | Value |
|--------------------------------|-----------------|-------------------|--------------------------|--------------|
| Flammability | IEC 60695-11-10 | Class (color) | 1.0-1.69 | V-2 (ALL) |
| | | | 1.70-1.87 | V-2 (ALL) |
| | | | 1.70 | V-2 (NC, BK) |
| | | | 3.24 | V-2 (NC, BK) |
| 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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