

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):                     | -- | IEC CTI Material Group:                  | -- |
| Inclined Plane Tracking (IPT) (kV):               | -- | High-Voltage Arc Tracking Rate (HVTR) (PLC):            | 1  | Dielectric Strength (DS) (kV/mm):        | 25 |
| Volume Resistivity (VR) (10 <sup>x</sup> ohm cm): | 11 | Surface Resistivity (SR) (10 <sup>x</sup> ohms/square): | -- | 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.

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All dimensions in mm/inch

The permissible deviations according to DIN 16901 apply as tolerances

Warranties:  
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| ISO/IEC Flammability Properties              | Value  | Test Method     |
|--|--------|-----------------|
| <b>Flammability</b>                          |        | 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   |                 |
| <b>Glow Wire Ignition Temperature (GWIT)</b> |        | IEC 60695-2-13  |
| 0.75 mm                                      | 725 °C |                 |
| 1.5 mm                                       | 725 °C |                 |
| 3.0 mm                                       | 750 °C |                 |
| 6.0 mm                                       | 750 °C |                 |
| <b>Glow Wire Flammability Index (GWFI)</b>   |        | IEC 60695-2-12  |
| 0.75 mm                                      | 700 °C |                 |
| 1.5 mm                                       | 700 °C |                 |
| 3.0 mm                                       | 700 °C |                 |
| 6.0 mm                                       | 700 °C |                 |

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