

Component - Plastics

E47960

Envalior

Flughafenstrasse 101, Dusseldorf 40474 DE

TE250F6(h1)(j)

Polyamide 46 (PA46), glass reinforced, flame retardant "Stanyl", furnished as pellets

| Color | Min. Thk (mm) | Flame Class | HWI | HAI | RTI Elec (°C) | RTI Imp (°C) | RTI Str (°C) |
|-------|---------------|-------------|-----|-----|---------------|--------------|--------------|
| ALL | 0.35 | V-0 | 0 | 0 | - | - | - |
| | 0.75 | V-0 | 0 | 0 | 140 | 110 | 120 |
| | 1.5 | V-0 | 0 | 0 | 140 | 125 | 125 |
| | 3.0 | V-0 | 0 | 0 | 140 | 130 | 130 |

| | | | |
|--|-----|--|---|
| Comparative Tracking Index (CTI): | 2 | Inclined Plane Tracking (IPT) kV: | - |
| Dielectric Strength (kV/mm): | 23 | Volume Resistivity (10 ^x ohm-cm): | - |
| High-Voltage Arc Tracking Rate (HVTR): | 1 | Surface Resistivity (10 ^x ohms/square): | - |
| Dimensional Change (%): | 0.0 | High Volt, Low Current Arc Resis (D495): | 6 |

(h1) Virgin and regrind, up to 50% by weight inclusive, in thicknesses of 0.75mm and greater, have the same basic material characteristics, except for CTI.

(j) - Virgin and regrind, up to 100% by weight inclusive, have the same basic material characteristics with respect to Flammability in the 0.75mm thickness and greater.

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: 2003-01-01

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All dimensions in mm/inch

The permissible deviations according to DIN 16901 apply as tolerances

Warranties:

refer to Terms and Conditions of Sale

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| IEC and ISO Test Methods | | | | |
|------------------------------------|-----------------|-----------------------|----------|-----------|
| Test Name | Test Method | Units | Thk (mm) | Value |
| Flammability | IEC 60695-11-10 | Class (color) | 0.35 | V-0 (ALL) |
| | | | 0.75 | V-0 (ALL) |
| | | | 1.5 | V-0 (ALL) |
| | | | 3.0 | V-0 (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 AC Dielectric Strength (AC DS) | IEC 60243-1 | kV/mm | - | - |
| IEC DC Dielectric Strength (DC DS) | IEC 60243-2 | kV/mm | - | - |
| IEC Volume Resistivity (VR) | IEC 62631-3-1 | 10 ^x ohm-m | - | - |
| IEC Surface Resistivity (SR) | IEC 62631-3-2 | 10 ^x ohms | - | - |
| IEC Inclined Plane Tracking (IPT) | IEC 60587 | kV | - | - |
| IEC Ball Pressure | IEC 60695-10-2 | °C | - | 285 |
| 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 179-1 | kJ/m ² | - | - |

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