

Terrace Clips sheet



Esthec[®]

Esthec Terrace

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|-------------------------|-------------------|-------------------------|
| ASTM Data | | | |
| Melt Flow Index | 10 | g/10min | ASTM D 1238 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |
| Mold Shrinkage (MD) | 0.02 | mm/mm | ASTM D 955 |
| Density (73°F) | 1410 | kg/m ³ | ASTM D 792 |
| Rheological properties | | | |
| ISO Data | | | |
| Molding shrinkage (parallel) | 2.0 | % | ISO 294-4, 2577 |
| Mechanical properties | | | |
| ISO Data | | | |
| Tensile Strength | 62 | MPa | ISO 527-1/-2 |
| Nominal strain at break | 30 | % | ISO 527-1/-2 |
| Charpy notched impact strength (+23°C) | 7 | kJ/m ² | ISO 179/1eA |
| Flexural modulus (23°C) | 2650 | MPa | ISO 178 |
| ASTM Data | | | |
| Tensile Strength | 59.8 | MPa | ASTM D 638 |
| Elongation at Break | 60 | % | ASTM D 638 |
| Flexural Modulus | 2649.86 | MPa | ASTM D 790 |
| Flexural Strength | 88 | MPa | ASTM D 790 |
| Izod Impact notched (1/8 in) | 0.0711 | kJ/m | ASTM D 256 |
| Thermal properties | | | |
| ISO Data | | | |
| Temp. of deflection under load (1.80 MPa) | 103 | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 0.762 | mm | - |
| DTUL @ 264 psi | 116 | °C | ASTM D 648 |
| Melting Temperature | 165 | °C | ASTM D 3418 |
| Boliddt Data | | | |
| Lineair coefficient of thermal expansion of the assembly clip | 11,8 x 10 ⁻⁵ | m/m.K | BOLIDT TEST METHOD 4007 |
| Electrical properties | | | |
| ISO Data | | | |
| Volume resistivity | 1E10 | Ohm*m | IEC 60093 |
| Surface resistivity | 1E14 | Ohm | IEC 60093 |
| Electric strength | 19 | kV/mm | IEC 60243-1 |
| ASTM Data | | | |
| Dielectric Strength (Short Time) | 19 | kV/mm | ASTM D 149 |
| Dissipation Factor (1 MHz) | 0.007 | - | ASTM D 150 |
| Dielectric Constant (1 MHz) | 3.7 | - | ASTM D 150 |
| Surface Resistivity | 1E16 | Ohm | ASTM D 257 |
| Volume Resistivity | 1E14 | Ohm*cm | ASTM D 257 |
| Other properties | | | |
| ISO Data | | | |
| Density | 1410 | kg/m ³ | ISO 1183 |
| Characteristics | | | |
| Black | | | |
| Special Characteristics | | | |
| U.V. stabilized or stable to weather | | | |
| Features | | | |
| Polyoxymethylene [POM] | | | |