

Product Texts

TPC-ET Thermoplastic Elastomer. Lowest Modulus, Nominal Shore D/15s 22. Natural colour.

| Mechanical properties | Value | Unit | Test Standard |
|--|--------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 25 | MPa | ISO 527 |
| ^[C] Charpy impact strength, +23°C | N | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | N | kJ/m ² | ISO 179/1eA |
| ^[C] Stress at 10% elongation | 2 | MPa | ISO 527 |
| ^[C] Stress at 100% elongation | 5 | MPa | ISO 527 |
| ^[C] Stress at 300% elongation | 7 | MPa | ISO 527 |
| ^[C] Shore D hardness | 22 | - | ISO 7619-1 |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Melting temperature, 10°C/min | 175 | °C | ISO 11357-1/-3 |

[C]: CAMPUS

| Electrical properties | Value | Unit | Test Standard |
|-----------------------------------|--------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Volume resistivity | 1E13 | Ohm*m | IEC 62631-3-1 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| ^[C] Density | 1090 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 110 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Melt temperature | 190 - 200 | °C | - |
| Mold temperature | 30 - 50 | °C | - |

Characteristics**Processing**

Injection Molding, Profile Extrusion

Delivery form

Granules, Natural Color

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information**Injection molding**

The material is delivered in moisture-proof packaging ready for processing. Maximum recommended water content for best processing is 0.05%. Typical conditions with a desiccant drier: temperature 110 °C, dew point -30 °C or below, time 2-4 h or more. Special care must be taken to avoid moisture absorption and contamination with other polymers when adding regrind material. Colour variation and mechanical properties reduction may occur and should always be carefully monitored.

Injection Molding Processing Parameters

Melt Temperature

190 - 200°C

Mold Temperature

30 - 50°C

Injection Speed

medium