

Product Texts

Fortron 9141L4 is a 40% glass-reinforced PPS that has excellent heat and chemical resistance, inherently flame-retardant, high hardness and a good balance of strength and stiffness. This grade exhibits low flash and is typically used in applications with thicker walls and shorter flow lengths.

Flammability @1.6mm nom. thickn. V-0 -
 Flammability at thickness h (0.38 mm) V-0 -

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|-------|------|-----------------|
| ISO Data | | | |
| ^[C] Molding shrinkage, parallel | 0.4 | % | ISO 294-4, 2577 |
| ^[C] Molding shrinkage, normal | 0.5 | % | ISO 294-4, 2577 |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|--|-------|-------------------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 15500 | MPa | ISO 527 |
| ^[C] Stress at break | 195 | MPa | ISO 527 |
| ^[C] Strain at break | 1.9 | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | 53 | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy impact strength, -30°C | 53 | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 12 | kJ/m ² | ISO 179/1eA |
| ^[C] Charpy notched impact strength, -30°C | 12 | kJ/m ² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|--|------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Melting temperature, 10°C/min | 280 | °C | ISO 11357-1/-3 |
| ^[C] Glass transition temperature, 10°C/min | 90 | °C | ISO 11357-1/-2 |
| ^[C] Temp. of deflection under load, 1.80 MPa | 270 | °C | ISO 75-1/-2 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. Thickness tested | V-0 1.5 | class mm | IEC 60695-11-10 - |
| ^[C] Burning Behav. at thickness h Thickness tested | V-0 0.4 | class mm | IEC 60695-11-10 - |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|---------------------------------|-------|-------------------|----------------|
| ^[C] Water absorption | 0.02 | % | Sim. to ISO 62 |
| ^[C] Density | 1650 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

Characteristics

| |
|--|
| Processing Injection Molding |
| Delivery form Pellets |
| Additives Release agent |

| |
|--|
| Special Characteristics Flame retardant, Heat stabilized or stable to heat |
| Chemical Resistance General Chemical Resistance |
| Certifications Drinking water contact |