

Product Texts

Fortron 1140L0 is a 40% glass-reinforced extrusion grade. It exhibits excellent heat and chemical resistance, good electrical properties and is inherently flame-retardant. The high hardness and rigidity at elevated temperatures allows for good load bearing performance. This product has good weldability due to the modest filler level. 1140L0 is used to produce rods and slabs.

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

Mechanical properties	Value	Unit	Test Standard
ISO Data			
^[C] Stress at break	185	MPa	ISO 527
^[C] Strain at break	1.8	%	ISO 527
^[C] Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	10	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] 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
Other Extrusion

Features
Weldable

Delivery form
Pellets

Chemical Resistance
General Chemical Resistance

Additives
Release agent

Regional Availability
North America, Europe, South and Central America, Near East/Africa

Special Characteristics
Flame retardant, Heat stabilized or stable to heat