

Tristar[®] PC-10GFR

Polycarbonate
Prime Compound

Description:

Polycarbonate 10% glass fiber flame retardant grade, only available in all opaque colors, design for Electrical/Electronic application.

General

MFI (300°C/1,2kg)	ISO 1133	8	g/10min
Density	ISO 1183	1.25	g/cm ³

Thermal

HDT/A (1,82MPa)	ISO 75A	135	°C
Vicat softening point (B50 (50N))	ISO 306	140	°C
Vicat softening point (A50(10N))	ISO 306	148	°C
Ball pressure test (125°C)	IEC 60695-10-2	Pass	°C

Mechanical

Izod notched impact strength (23 °C)	ISO 180	10	kJ/m ²
Izod notched impact strength (-30 °C)	ISO 180	6	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	60	MPa
Tensile strength at break (23 °C)	ISO 527	50	MPa
Elongation at break (23 °C)	ISO 527	5	%
Flexural modulus (23 °C)	ISO 178	3200	MPa

Flammability

Flammability (3,2mm)	UL94	V0	
Flammability (1,5 mm)	UL94	V0	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	960	°C

Various

Surface resistivity	IEC 60093	1.00E+15	Ohm
Volume resistivity	IEC 60093	1.00E+15	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	16	kV/mm
CTI	IEC 60112	175	V
Linear Mould Shrinkage	internal method	0.2-0.5	%

Remark:

manufactured by RME UL94&f2 all color listed E103497

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Ravago Group Headquarters