

Tristar[®] PC-10FR

Polycarbonate
Prime Compound

Description:

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

General

MFI (300°C/1,2kg)	ISO 1133	15	g/10min
Density	ISO 1183	1.20	g/cm ³

Thermal

HDT/A (1,82MPa)	ISO 75A	133	°C
Vicat softening point (B50 (50N))	ISO 306	140	°C
Vicat softening point (A50(10N))	ISO 306	146	°C
Ball pressure test (125°C)	IEC 60695-10-2	Pass	°C

Mechanical

Izod notched impact strength (23 °C)	ISO 180	50	kJ/m ²
Izod notched impact strength (-30 °C)	ISO 180	10	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	60	MPa
Tensile strength at break (23 °C)	ISO 527	55	MPa
Elongation at break (23 °C)	ISO 527	50	%
Flexural modulus (23 °C)	ISO 178	2400	MPa

Flammability

Flammability (3,2mm)	UL94	V0	
Flammability (1,5 mm)	UL94	V1	
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	17	kV/mm
CTI	IEC 60112	225	V
Linear Mould Shrinkage	internal method	0.5-0.7	%

Remark:

manufactured by RME UL94&f2 all color listed E103497

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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