

# Tristar<sup>®</sup> PC-10FRN

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 <sup>3</sup>

## Thermal

HDT/A (1,82MPa)	ISO 75A	130	°C
Vicat softening point (B50 (50N))	ISO 306	140	°C
Vicat softening point (A50(10N))	ISO 306	145	°C
Ball pressure test (125°C)	IEC 60695-10-2	Pass	°C

## Mechanical

Izod notched impact strength (23 °C)	ISO 180	55	kJ/m <sup>2</sup>
Izod notched impact strength (-30 °C)	ISO 180	10	kJ/m <sup>2</sup>
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	V0	
Flammability (0,75mm)	UL94	V2	
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

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## Ravago Group Headquarters