

Tristar[®] PC-10R

Polycarbonate
Prime Compound

Description:

Polycarbonate grade available in all colors, design for general purpose.

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	140	°C
Vicat softening point (B50 (50N))	ISO 306	144	°C
Vicat softening point (A50(10N))	ISO 306	150	°C
Ball pressure test (125°C)	IEC 60695-10-2	Pass	°C

Mechanical

Izod notched impact strength (23 °C)	ISO 180	60	kJ/m ²
Izod notched impact strength (-30 °C)	ISO 180	15	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	63	MPa
Tensile strength at break (23 °C)	ISO 527	58	MPa
Elongation at break (23 °C)	ISO 527	70	%
Flexural modulus (23 °C)	ISO 178	2400	MPa

Flammability

Flammability (3,2mm)	UL94	V2	
Flammability (1,5 mm)	UL94	V2	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	850	°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	250	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.

Ravago Group Headquarters

Moerenstraat 85A
B - 2370 Arendonk

Tel: +32 (0)14 67 25 11
Fax: +32 (0)14 67 20 12

www.ravago.com
manufacturing@ravago.com

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