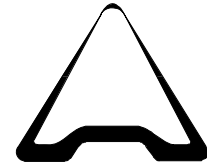


MECHANICAL PROPERTIES

ALT/ERTP/B/1

CLEAR EXTRUDED TUBE, ROUND ROD, SQUARE BAR & PROFILES



ALTERNATIVE PLASTICS

SPECIFICATIONS OF ALT EXTRUDED Acrylic

This data applies to the raw material used for the production of our clear Extruded Tube, Rods, Bars and Profiles.

PROPERTIES	UNIT	DIN No	Acrylic (PMMA)	Polycarbonate (PC)
Density	g/cm ³	53 479	1.18	1.2
Impact Strength	KJ/m ²	53 453	11	Not Broken
Notched Impact Strength	KJ/m ²	53 453	2	>20
Expansion	1/°C		7 x 10 ⁻⁵	60-70 x 10 ⁻⁶
Refractive Index (20°C)	nD	53 491	1.49	1.58
Modulus of Elasticity	N/mm ²	53 457	3300	2400
Heat Distortion Temp (Vicat B)	°C	53 460	100	140-150
Constant Working Temp. (in air without mechanical force being applied)	°C		75	115
Flammability		4102 Part 1	B2	B2
Flammability (UL 94)			HB	HB-Vo
Light Transmission	%		92	>86

The data mentioned in this table is based on data from the raw materials. They are standard values as standard parts under standard conditions. All data is given as guidance only and should not be applied to profiles without reservation. Alternative Plastics accept no responsibility whatsoever for results or application due to their use, or which are in opposition to existing patents.

Alternative Plastics Ltd, Unit 1 Buckingham Close, Bermuda Ind Estate, Nuneaton, Warwickshire. CV10 7JT.
Tel: +44 (0) 24 76 641210 Fax: +44 (0) 24 76 326156