



DURATEC 750®

Duratec is useful where a high temperature, thermally insulating component is required. It also has good electrical insulation and arc resistance.

PROPERTIES OF DURATEC 750

	PROPERTY	UNITS		
GENERAL	Chemical formula	n/a	Based on calcium silicate	
	Density	g/cm ³	1.4	
	Porosity		Slightly porous	
MECHANICAL	Compressive Strength	MPa	55	10% Compaction
	Flexural Strength	MPa	23	
THERMAL	Max. use temperature	°C	1000	
	Thermal Conductivity	W/m ^{°K}	0.49	At 750°C
	Coefficient of Linear Thermal Expansion	10 ⁻⁶ /°C	6.6	100 - 750°C
ELECTRICAL	Volume Resistance	Ωcm	9.0 x 10 ¹⁰	
	Dielectric Constant		7.6	

Properties shown are typical values, they are not absolute material properties, and should be used for guidance only. It is recommended that materials and components are tested for their suitability for a specific application.



DURATEC 750[®] (Continued)

Duratec 750 stock sizes:	Rod	25 mm diameter x 300 mm
		40 mm diameter x 300 mm
		50 mm diameter x 300 mm
	Plate	295 mm x 300 mm x 6 mm thick
		295 mm x 300 mm x 10 mm thick
		295 mm x 300 mm x 15 mm thick
		295 mm x 300 mm x 20 mm thick
		295 mm x 300 mm x 25 mm thick
	Bar	25 mm x 25 mm x 300 mm
		40 mm x 40 mm x 300 mm
		50 mm x 50 mm x 300 mm

Special sizes and components

Other sizes of rod, plate and bar can be supplied on a prompt delivery.

We specialise in the supply of finish machined Duratec components.

Let us have your drawing for advice and quotation.

For more information and advice, please discuss your application with our sales staff.