

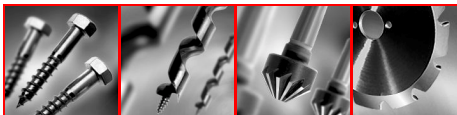
DURATEC®

Engineering insulation boards for structural thermal and electrical insulation

DURATEC®		1000	750
Classification Temperature	°C	1000	1000
Nominal density	Kg /m ³	1400	1400
Flexural strength	MPa	16	23
Hardness	Shore D	70	80
Cold compressive strength, 10% compaction	MPa	31	55
Shrinkage at 750°C, 12 hours (length, width / thickness)	%	0,12 / 0,08	0,14 / 1,1
Thermal conductivity at mean temperature of			
	400°C	W /mK	0.44
	750°C		0.37
Thermal expansion (100 – 750°C)		K ⁻¹	6.4 x 10 ⁻⁶
L.O.I		%	5.3
Electrical strength		kV / m	4700
Arc resistance, stage.40 (40 mA)		s	>420
Volumetric resistivity	25°C	Ω cm	7.5 x 10 ¹⁰
	600°C		3.1 x 10 ¹⁰
Surface resistivity	25°C	Ω	4.1 x 10 ¹⁰
	600°C		3.9 x 10 ¹⁰
Dielectrical constant	25°C		4.7
	600°C		4.0
Equivalent impact electrical index			600
			>500

Dimensions:	Length (mm)	Width (mm)	Thickness (mm)
	1500	1220	6,8,10,12,15,20,25,30,40,50,75 (depending on quality)
Tolerances:	Thickness	Length / Width	
	± 0.4 mm	± 3 mm	

Workability



The above data are given in good faith and refer to internal standard test procedures based on internationally recognized testing methods; they are subjected to normal fluctuation during the production process. No warranty are herewith given regarding specific applications without our prior written approval. Our data sheets cannot be used for technical specifications purposes without our authorization. All right reserved – Promat is a registered trademark.

