

Datasheet AB8000



AB8000 consists a resin of impregnated textile based material with metal components specially designed for heavy duty industrial brake applications. Suitable for bonding and riveting

Application

Heavy duty industrial machinery, mining industrie, heavy duty static applications and forging machinery.

Material

Impreganted textiel based rigid material.

Availability

	Value	Unit
Length standard	on request	
Sheet thickness	mrt-20	mm
Sheet size	on request	

AB8000 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ASTM D792-91	1,60	g/cm ³
Poisson factor	ASTM D638	0,26	[-]
Thermal conductivity	ASTM E1952-01	0,20	W/m°K

Mechanical properties

	Test standard	Value	Unit
Compressive strength static	ISO 844:2014	410	MPa
Module of elasticity - Youngs modulus	ASTM D638	13354	MPa
Tensile strength	ASTM D638	47	MPa
Shear modulus	ASTM D638	5320	MPa
Hardness	DIN 53505	90	Shore-D

Thermal properties

	Test standard	Value	Unit
Max. working temperature		200	°C
Intermittent working temperature		250	°C
Fading temperature		>200	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction static	15 bar, from box	0,45	[-]
Coefficient of friction dynamic		on request	
Wear factor		on request	

Electrical properties

	Test standard	Value	Unit
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