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Datasheet AB3460



Asbestos-free, rigid moulded, fully cured composite friction material. Bases on resins and rubber as bonding system, containing friction modifiers, mineral fibers and fine copper particles. AB3460 is an alternative for sintered metal friction materials. It will resist high energy inputs and is suitable for dry and oil-immersed applications. AB3460 is mediate abrasive to the counter face material. Application: High performance friction material suitable for heavy duty, wet and dry industrial applications such as forge industry, punch die press blocks, rings and segments. Recommended mating surface: pearlitic grey cast iron, but also steel qualities are permitted. Hardness between HB 150 and 200. Characteristics: Resistant to oil. The listed temperatures in this data sheet are average friction surface temperatures at the surface of brake lining and/or drum or disc. By the maximum permitted temperature (intermittent operation) is meant a peak value that might be reached in an emergency situation. Very high and stable fiction coefficient and excellent resistance to fading. Differences in colour cannot be excluded due to natural raw materials. Suitable for bonding and riveting.

Application

Heavy duty, wet and dry industrial applications such as forge industry, punch die press blocks, rings and segments

Material

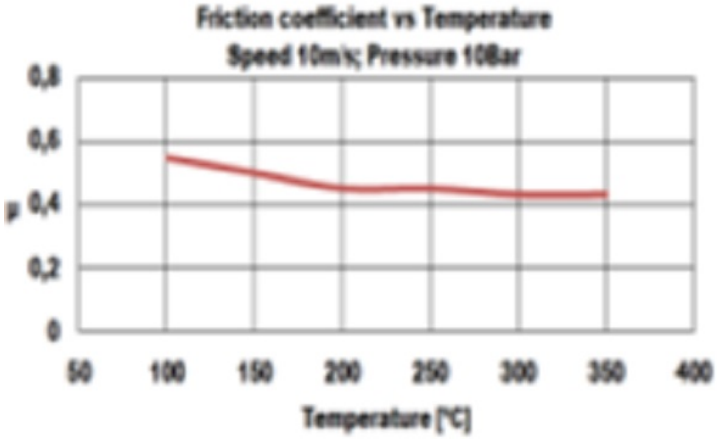
Moulded rigid semi-metal consists of resins and rubber with friction modifiers. Filled with copper parts.

Availablity

	Value	Unit
Length standard	on request	
Sheet thickness	1,5-20	mm
Sheet size	on request	

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AB3460 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ASTM D792	2,00	g/cm³
Poisson factor	ASTM D638	0,23	[-]
Thermal conductivity	ASTM E1952	0,31	W/m°K

Mechanical properties

	Test standard	Value	Unit
Compressive strength static	ISO 844:2014	126	MPa
Module of elasticity - Youngs modulus	ASTM D638	5300	MPa
Tensile strength	ASTM D638	15	MPa
Hardness	DIN 53505	88	SHORE-D

Thermal properties

	Test standard	Value	Unit
Max. working temperature		400	°C
Intermittent working temperature		500	°C
Fading temperature		>400	ºC

Friction properties

	Test standard	Value	Unit
Coefficient of friction static	15 bar, from box	0,65	[-]
Coefficient of friction dynamic		on request	
Wear factor		on request	

Electrical properties

	Test standard	Value	Unit

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