

## Datasheet AB3080



Asbestos-free, pressed composite friction material containing metallic components. AB3080 is based on phenolic resins with NBR rubber bonding system, containing short fibers, organic components, friction modifiers, metallic particles and fillers. AB3080 is suitable for dry and oil-immersed applications. AB3080 is not abrasive to the counter face material and is silent in operation. It is resistant to high pressures and has low wear rate even at high temperatures.

## Application

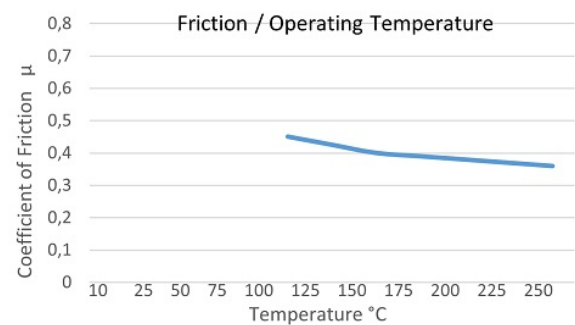
High performance friction material suitable for industrial applications such as brake caliper, friction cones and washers, industrial brakes and clutches and torque limiters

## Material

Asbestos-free, pressed composite friction material containing metallic components

## Availability

	Value	Unit
Length standard	on request	
Sheet thickness	on request	
Sheet size	on request	



## AB3080 - Specifications

### Physical properties

	Test standard	Value	Unit
Density	ASTM D792-91	1,80	g/cm <sup>3</sup>
Poisson factor	ASTM D638	0,27	[-]
Thermal conductivity	ASTM E1952-01	0,44	W/m°K

### Mechanical properties

	Test standard	Value	Unit
Compressive strength static	ISO 844:2014	150	MPa
Module of elasticity - Youngs modulus	ASTM D638	3896	MPa
Tensile strength	ASTM D638	15	MPa
Shear Modulus	ASTM D2344-00	1600	MPa
Hardness	DIN 53505	85	Shore D

### Thermal properties

	Test standard	Value	Unit
Max. working temperature		250	°C
Intermittent working temperature		350	°C
Fading temperature		>350	°C

### Friction properties

	Test standard	Value	Unit
Coefficient of friction static	15 bar, from box	0,55	[-]
Coefficient of friction dynamic		on request	
Wear factor		on request	

### Electrical properties

	Test standard	Value	Unit
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