

ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

#### **Datasheet AB3080**



Asbestos-free, pressed composite friction material containing metallic components. AB3080 is based on phenolic resins with NBR ruber 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 silence 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 limitators

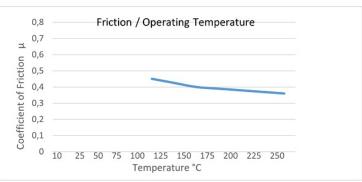
#### **Material**

Asbestos-free, pressed composite friction material containing metallic components

# **Availablity**

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





The information in this datasheet is provided for general purposes only and not meant to be a specific recommendation for any individual application. All values were determined under laboratory conditions. ASEC Products is not directly neither indirectly responsible for any claim resulting from the use of any information provided in this datasheet.



ASEC Products
Marketing 17
6921 RE Duiven
The Netherlands
T. +31 316 84 44 01
info@asecproducts.com
www.asecproducts.com

# **AB3080 - Specifications**

# **Physical properties**

	Test standard	Value	Unit
Density	ASTM D792-91	1,80	g/cm³
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	<sup>o</sup> 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
---------------------	------