

Datasheet AB3280



Asbestos-free, rigid molded friction material based on graphite and phenolic resins as bonding system, containing short fibers, friction lubricants and fillers. Suitable for industrial applications, continuous brake, brake calipers, friction rings, brake pads, torque limiter. Recommended friction surface: pearlitic grey cast iron.

Application

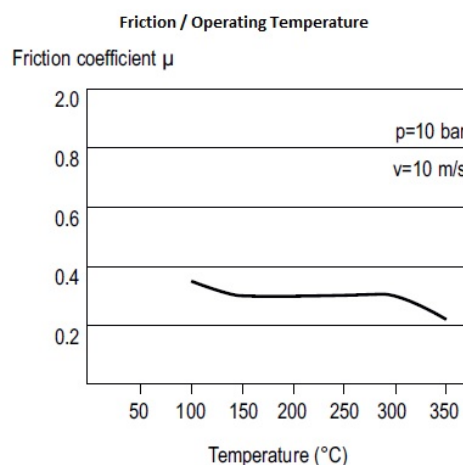
Friction material for industrial applications, continuous brakes, brake calipers, friction rings, brake pads, torque limiter.

Material

Black rigid friction material based on graphite.

Availability

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



AB3280 - Specifications

Physical properties

	Test standard	Value	Unit
Density	ASTM D792	1,8	g/cm ³
Poisson factor		on request	
Thermal conductivity		on request	

Mechanical properties

	Test standard	Value	Unit
Compressive strength static	ISO 844:2014	83	MPa
Module of elasticity - Youngs modulus	ASTM D638	3500	MPa
Tensile strength	ASTM D638	16	MPa
Hardness	DIN 53505	75	Shore-D

Thermal properties

	Test standard	Value	Unit
Max. working temperature		300	°C
Intermittent working temperature		350	°C
Fading temperature		>350	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction static	15 bar, from box	0,35	[-]
Coefficient of friction dynamic		on request	
Wear factor		on request	

Electrical properties

	Test standard	Value	Unit
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