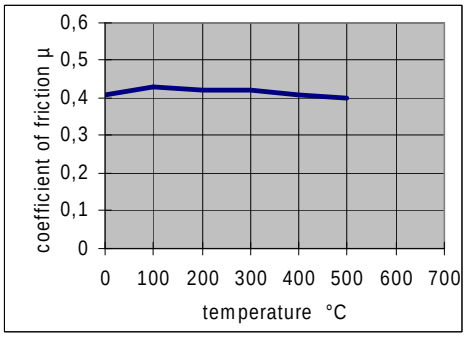
Becorit
A Wabtec subsidiary

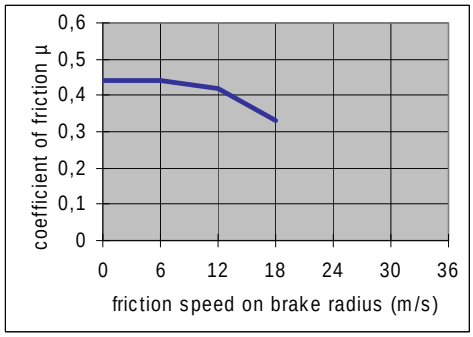
Datasheet

BECORIT 970

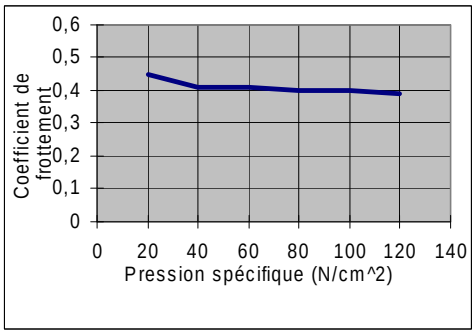
Description: disc brake pad material for low speed applications



V = 10 m/sec p_{spec} = 100 N/cm^2



p_{spec} = 100 N/cm^2 ϑ = 100 °C



V = 10 m/sec ϑ = 100 °C

Material description: resin bonded with metal fibres and special additives **without asbestos, lead**

Range of application: brake pad for street cars and metros

Disk material: cast iron, spheroid graphite iron, steel alloy

Physical properties

Mean coefficient of friction (for calculation) [1]	μ_m	=	0,38	
Specific pressure [2]	p	≤	180	N/cm^2
Friction rubbing speed at the brake radius [2]	V	≤	18	m/s
Temperature sustained [2]	ϑ	=	450	° C
Temperature momentarily	ϑ	=	550	° C
Density	ρ	=	2,9	g/cm^3
Compressive strength acc to EN 20604	σ_{dB}	=	60,0	N/mm^2
Modulus of elasticity acc to UIC	E	=	1300	N/mm^2
Plastic hardness acc to ISO 2039/1	H	=	90	N/mm^2
Thermal conductivity (standard value)	λ	=	1,25	W/(mK)
Specific heat capacity (standard value)	c_p	=	0,85	kJ/kg K

[1]) Coefficient of friction tolerances acc. to UIC-leaflet 541-3 VE

[2]) Coincidence of the max. values may create other results

These declarations come up to today's standard of our knowledge and shall inform about our products. There is no guarantee for these properties under all conditions of use. These values are mentioned in defined tolerances.