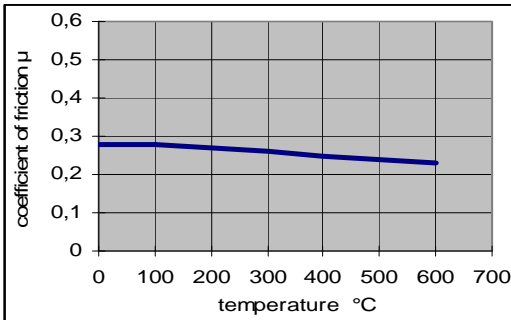


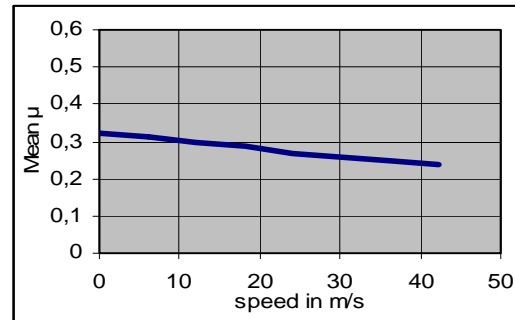
Datasheet

929-1 SG

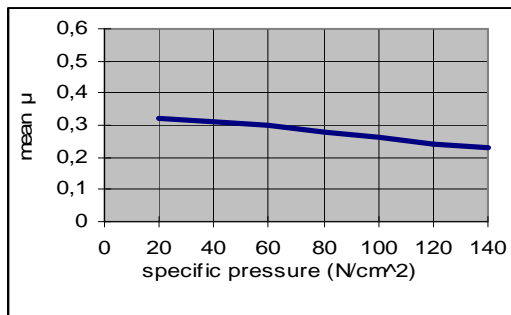
Description: brake block material with high friction level (K - block)



V = 15 m/sec $p_{spec} = 20 - 90 \text{ N/cm}^2$



$p_{spec} = 20 - 90 \text{ N/cm}^2$ $\vartheta = 50 \text{ }^\circ\text{C}$



V = 15 m/sec $\vartheta = 50 \text{ }^\circ\text{C}$

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

Range of application: K-block for speed up to 140 km/h

Mating material: wheel rim steel

Physical properties

Mean coefficient of friction (for calculation)¹
Specific pressure²
Friction rubbing speed at the brake radius²
Temperature sustained²
Temperature momentarily
Density
Compressive strength acc to EN ISO 604
Modulus of elasticity acc to UIC
Plastic hardness acc to ISO 2039/1
Thermal conductivity (standard value)
Specific heat capacity (standard value)

μ_m	=	0,26	
p	≤	150	N/cm ²
V	≤	40	m/s
ϑ	=	450	° C
ϑ	=	650	° C
ρ	=	2,56	g/cm ³
σ_{dB}	=	125	N/mm ²
E	=	1950	N/mm ²
H	=	140	N/mm ²
λ	=	3,24	W/(m K)
c_p	=	0,7	kJ/kg K

¹) Coefficient of friction tolerances acc. to UIC-leaflet 541-4 VE

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

This information is recommended as a first guideline and do represent the material performance under standard conditions and results from standard dynamometer tests. As materials behave different under various conditions performance may vary. For final selection additional tests according application might be necessary. Our application engineer will support you in choosing the right quality. Our advise does not release you from the obligation to check its validity and to test our products as to their suitability from the intended application and uses.