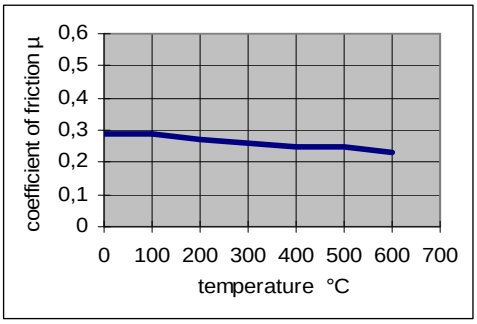
Becorit
A Wabtec subsidiary

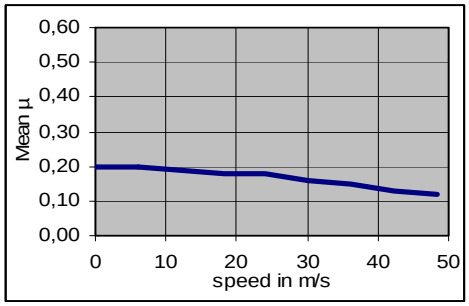
Datasheet

L 249

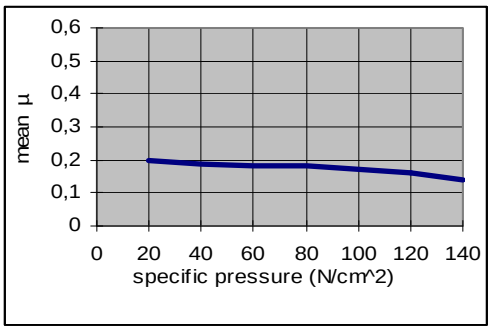
Description: brake block material with low friction level (L - block)



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



p_{spec} = 20 - 90 N/cm^2 ϑ = 50 °C



V = 15 m/sec ϑ = 50 °C

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

Range of application: L-block for speed up to 200 km/h

Mating material: wheel rim steel

Physical properties

Mean coefficient of friction (for calculation) [1]	μ_m	=	0,18	
Specific pressure [2]	p	≤	120	N/cm^2
Friction rubbing speed at the brake radius [2]	V	≤	40	m/s
Temperature sustained [2]	ϑ	=	450	° C
Temperature momentarily	ϑ	=	600	° C
Density	ρ	=	2,21	g/cm^3
Plastic hardness acc. to ISO 2039/1	H	=	85	N/mm²

[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.