Beral -massakitkahihnat / -joustavat levyt

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KONAFLEX

Eurobremsband GmbH

Technical Data Sheet **Beral 1105**

Description	Asbestos-free friction material on a synthetic rubber basis, reinforced with synthetic fibers without metal components		
Recommended applications	Drum brake linings for motorcycles, commercial vehicles and industrial applications, friction linings for CVT		
Physical properties	value	unit	remarks
density (20° C)	2,10 0± 10%	g/cm³	
permissibile compression stress in direction of friction (20°C)	8,0	N/mm²	
permissibile tensile stress in direction of friction (20°C)	5,2	N/mm²	
permissible shearing stress in direction of friction (20°C)	3,0	N/mm²	
Resistance to			
ATF and brake fluid	poor		
Recommended operation conditions			
rubbing speed	< 30	m/s	
surface pressure	10-150	N/cm²	
temperature (short duration)	<400	°C (max.)	
temperature (continuous)	<250	°C (max.)	
average friction coefficient	μ ~ 0,42		
remarks:	the specified temperatures are average friction surface temperatures on the lining and drum or disc surface. The maximum permissible temperature (short duration) is the peak value which may occur in an emergency situation. If the friction material is subjected to this temperature for more than two minutes, permanent damage to the material can result. Moreover an extremely high reduction of the friction coefficient is possible when this temperature limit is exceeded. Generally the maximum temperature limit in the area where the linings are fastened should not exceed 250°C. Color variations result from the use of natural raw materials and cannot be avoided.		
Notes of machining	the material can be machined using conventional cutting tools. For work on a large scale, the use of carbide tipped tools is recommended. Use dust extractors when machining.		

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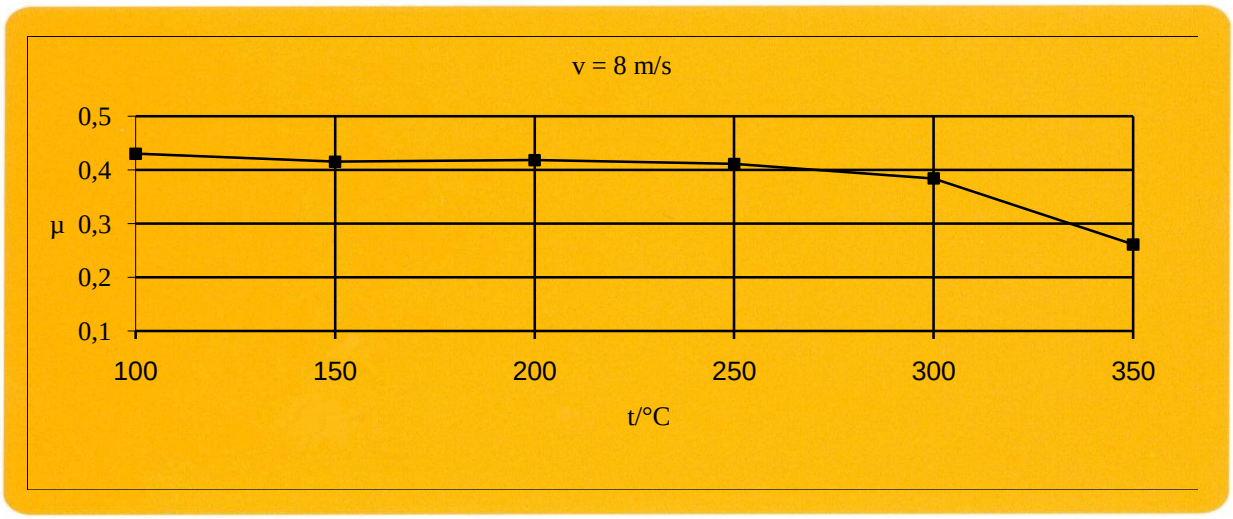
Technical Data Sheet **Beral 1105**

Friction characteristics

in comparison to grey cast iron GG26
measured according to BERAL test program No. 53
on a small scale rig machine

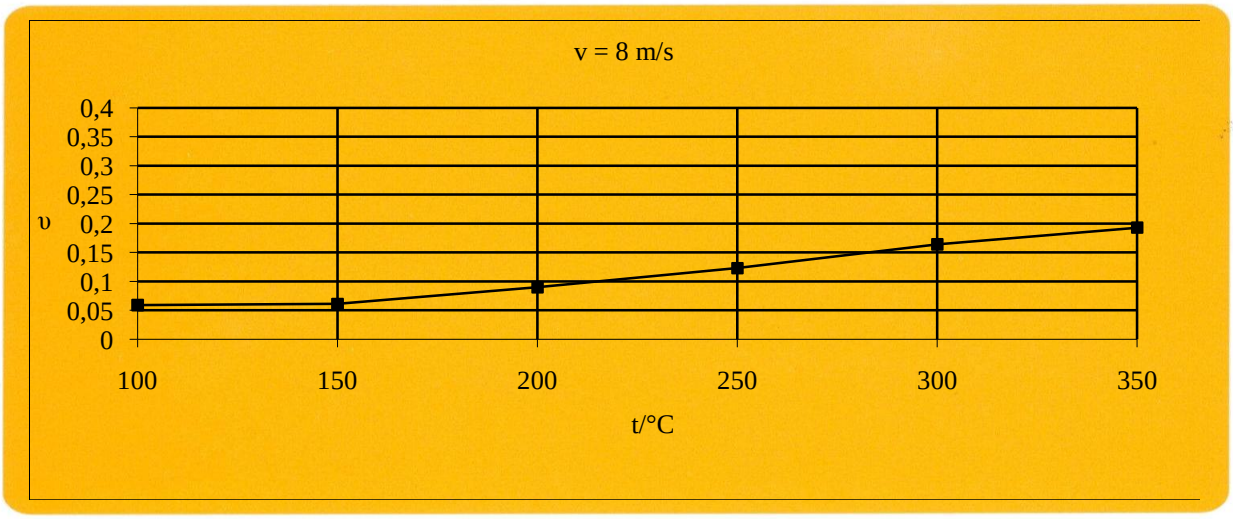
p = 33,5 N/cm²



Wear characteristics cm³ / kwh

in comparison to grey cast iron GG26
measured according to BERAL test program No. 53
on scale rig machine

p = 33,5 N/cm²



Eurobremsband GmbH

Technical data sheet Beral 1122

Material description	Asbestos free, flexible friction material, elastomer bonded without metal fibers	
Recommended applications	Electromagnetic clutches and brakes, industrial brakes, torsion damping systems for clutches, suitable as a friction material against soft iron and steel. Also suitable for use in oil.	
Range of application	value	unit
Surface pressure (p max.)	< 8	N/mm²
Recommended surface pressure (p)	0,15-1,5	N/mm²
Tensile strength	< 3,0	N/mm²
Shear strength	< 3,0	N/mm²
Rubbing speed (v)	< 30	m/s
Temperature (short duration)	< 350	°C.
Temperature (continuous)	< 250	°C.
Average friction coefficient for project	μ ~ 0,40	dry application
	μ ~ 0,10	wet application
Remarks	The maximum loads should not occur simultaneously. The specified temperatures are average friction surface temperatures. The maximal permitted short-time temperature is a peak value, which may occur in emergency situations. Longer exposure may cause permanent damage to the friction material. Slight variations in color cannot be avoided, due to natural raw materials content.	
Physical properties		
Oil and brake fluid resistance	very good	
Bondability	good The maximal temperature in the bonding area should not exceed 250°C.	
Density (20°C)	2,10±10% g/cm³	
Machining recommendations	The material can be processed using conventional tools. At a higher extent of work, carbide tools are recommended	

The information supplied in this data sheet is believed to be accurate and reliable, and was obtained by scientific and laboratory testing. However, since actual conditions of use are largely outside Eurobremsband GmbH control, it is suggested that this material be thoroughly tested and that its suitability for use be determined before final acceptance.

There is no legal force and no guarantee for the above friction material properties under all condition of use.

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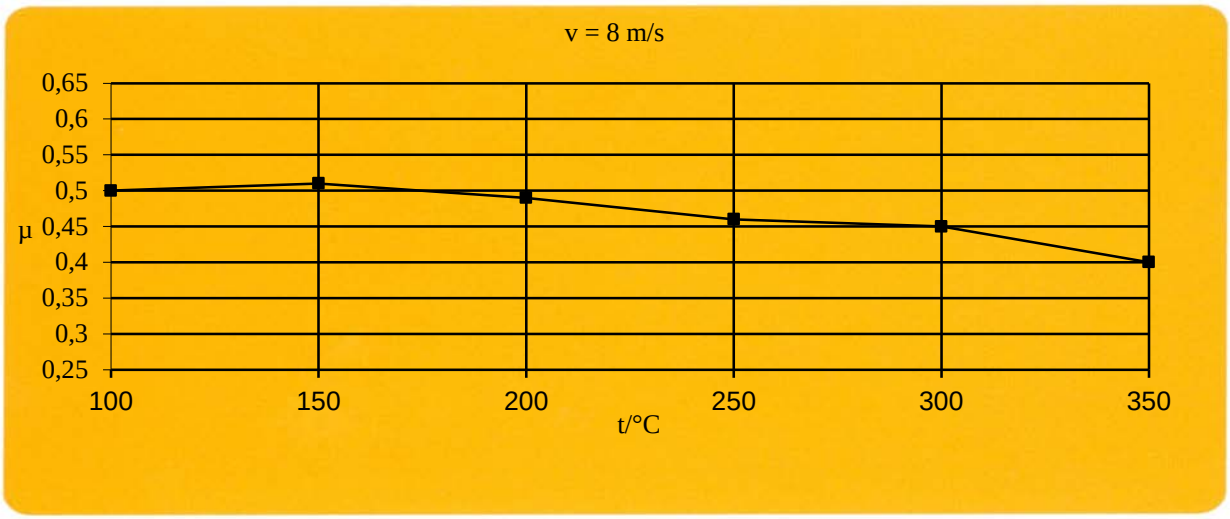
Technical data sheet BERAL 1122

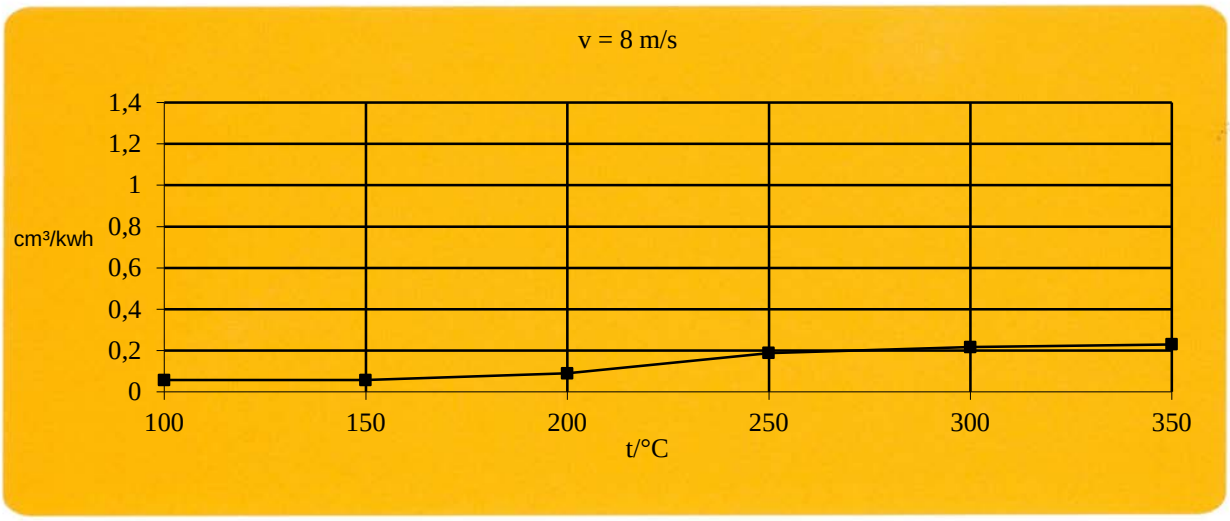
Friction characteristics

against cast iron GG26
according test program No. 53
Eurobremsband scale test rig machine process p = 33,5 N/cm²



Wear characteristics

against cast iron GG26
according test program No. 53
Eurobremsband scale test rig machine process p = 33,5 N/cm²



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Masino Group on yritysryhmä, joka tarjoaa voimansiirtoratkaisuja, hydrauliikkaa ja suodatustekniikkaa, pumppuja, puhaltimia ja teollisuushuoltoa, putkistotuotteita, kiinnitystekniikkaa, hitsaustekniikkaa, juotostekniikkaa, kallionlujitustuotteita, betonikuituja sekä talotekniikan kiinnitys- ja asennustarvikkeita. Liikevaihtomme on noin 65 M€ ja henkilöstön määrä 160. Toimipisteemme sijaitsevat Vantaalla (2), Ylöjärvellä, Tampereella ja Turussa.