



Technical data sheet Beral 1105

Material description	Asbestos free, flexibles friction material, elastomer bonded without metal fibers	
Recommended applications	Drum brake linings for industrial applications, motorcycles, commercial vehicles and CVT clutches	
Range of application	value	unit
Surface pressure (p max.)	< 8	N/mm ²
Recommended surface pressure (p)	0,10-1,5	N/mm ²
Tensile strength	< 5,2	N/mm ²
Shear strength	< 3,0	N/mm ²
Rubbing speed (v)	< 30	m/s
Temperature (short duration)	< 400	°C.
Temperature (continuous)	< 250	°C.
Average friction coefficient for project	μ ~ 0,53	
Remarks	<p>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.</p>	
Physical properties		
Oil and brake fluid resistance	poor	
Bondability	<p>good The maximal temperature in the bonding area should not exceed 250°C.</p>	
Density (20°C)	2,10±10% g/cm ³	
Machining recommendations	<p>The material can be processed using conventional tools. At a higher extent of work, carbide tools are recommended</p>	

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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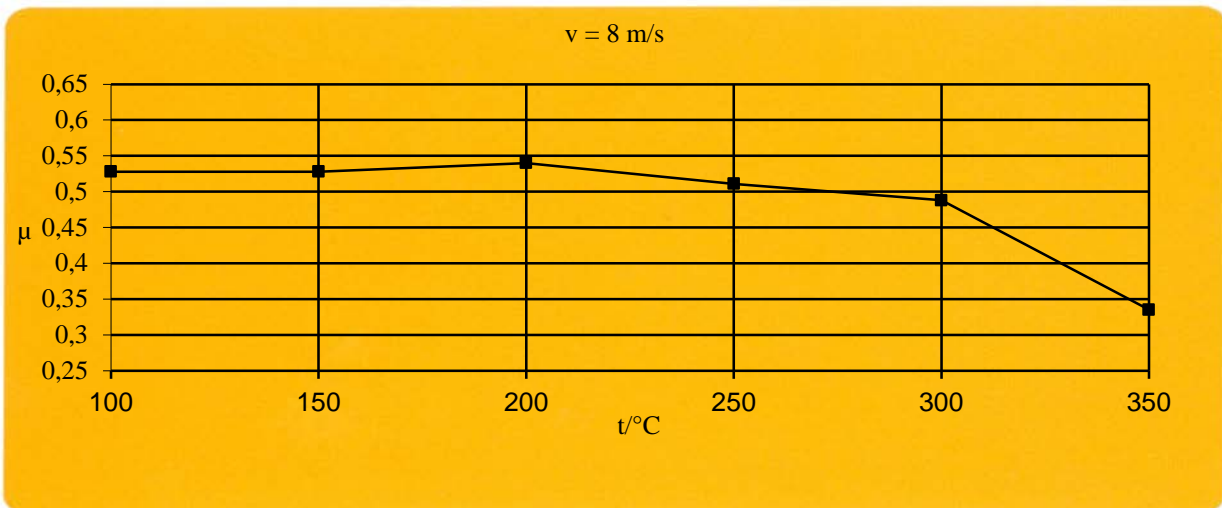
Friction characteristics

against cast iron GG26

according test program No. 53

Eurobremsband scale test rig machine process

$p = 33,5 \text{ N/cm}^2$



Wear characteristics

against cast iron GG26

according test program No. 53

Eurobremsband scale test rig machine process

$p = 33,5 \text{ N/cm}^2$

