MI 00 551

Material description	Asbestos free, flexible friction material, elastomer bonded without metal fibers	
Recommended applications	Electromagnetic brakes and clutches, elevator and lift applications	
Range of application	value	unit
Surface pressure (p max.)	< 8	N/mm²
Recommended surface pressure (p)	0,15-1,5	N/mm²
Tensile strength	< 5,0	N/mm²
Shear strength	< 3,0	N/mm²
Rubbing speed (v)	< 30	m/s
Temperature (short duration)	< 350	°C.
Temperature (continuous)	< 200	°C.
Average friction coefficient for project	μ ~ 0,52	
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	poor	
Bondability	good The maximal temperature in the bonding area should not exceed 250°C.	
Density (20°C)	2,17±10% g/cm³	
Machining recommendations	The material can be processed using conventional tools. At a higher extent of work, carbide tools are recommended	

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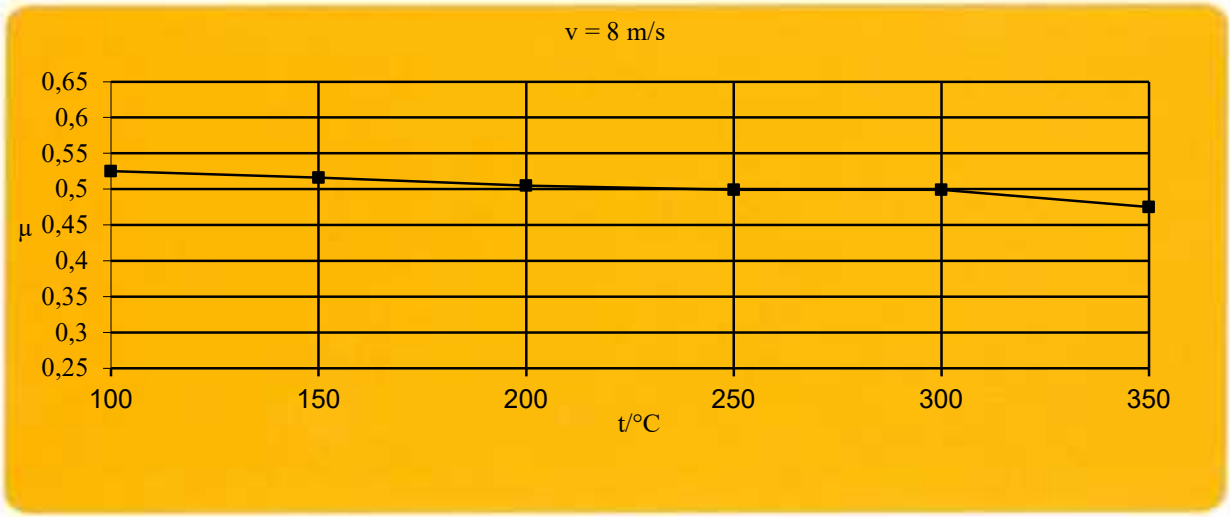
Friction characteristics

against cast iron GG26
according test program No. 53

p = 33,5 N/cm²



Wear characteristics

against cast iron GG26
according test program No. 53

p = 33,5 N/cm²