

**ASBESTOS-FREE FLEXIBLE FRICTION MATERIALS IN ROLLS OR SHEETS  
THICKNESSES from 1.5 mm to 14.0 mm**

Flexible Material	Composition	Applications	Density (g/cm <sup>3</sup> )	Average friction coefficient project $\mu$	Surface pressure P ( N/cm <sup>2</sup> )	Rubbing speed V ( m/s)	Temperature (short time ) °C	Temperature (continuous) °C	Oil Resistance
<b>Beral 1105</b>	Asbestos free, flexibles friction material, elastomer bonded without metal fibers	Drum brake linings for industrial applications, motorcycles, commercial vehicles and CVT clutches	2,10	0,53	15-150	<30	<400	<250	poor
<b>Beral 1106</b>	Asbestos free, flexible friction material, elastomer bonded and metal fiber reinforced	Drum brake linings for motorcycles and industrial brake applications, commercial vehicles, CVT clutches and passenger car handbrakes	2,20	0,54	10-150	<30	<400	<250	poor
<b>Beral 1109</b>	Asbestos free, flexible friction material, elastomer bonded and metal fiber reinforced	Drum brake linings for motorcycles, passenger cars, car/trailer combinations and crane brakes	2,10	0,48	10-150	<30	<350	<200	poor
<b>Beral 1117</b>	Asbestos free, flexible friction material, elastomer bonded and metal fiber reinforced	Drum brake linings for motorcycles, fork lifts, industrial applications, commercial vehicles and agriculture axles	2,20	0,43	5-150	<30	<380	<280	poor
<b>Beral 1121</b>	Asbestos free, flexible friction material, elastomer bonded without metal fibers	Electromagnetic clutches and brakes, industrial brakes, suitable as a friction material against soft iron and steel	2,10	0,40	15-100	<30	<350	<250	poor
<b>Beral 1122</b>	Asbestos free, flexible friction material, elastomer bonded without metal fibers	Electromagnetic clutches and brakes, industrial brakes, suitable as a friction material against soft iron and steel. Suitable for use in oil.	2,02	0,40 dry 0,10 wet	15-100	<30	<350	<250	Very good

<b>Beral 1126</b>	Asbestos free, flexible friction material, elastomer bonded and metal fiber reinforced	Drum brake linings for motorcycles and car trailers, friction linings for CVT clutches and industrial applications	2,30	0,45	10-150	<30	<400	<250	poor
<b>Beral 1127</b>	Asbestos free, flexible friction material, elastomer bonded and metal fiber reinforced	Service brakes and handbrakes for passenger cars and commercial vehicles	2,10	0,45	10-150	<30	<400	<250	poor
<b>Beral 1129</b>	Asbestos free, flexible friction material, elastomer bonded without metal fibers	Electromagnetic clutches and brakes, industrial brakes, lift applications, friction washers for oscillation damping systems	2,19	0,50	5-150	<30	<350	<250	poor
<b>Beral 1130</b>	Asbestos free, flexible friction material, elastomer bonded and metal fiber reinforced	Drum brakes for passenger cars and commercial vehicles, motorcycles, CVT clutches, agriculture axles	2,30	0,52	10-150	<30	<400	<250	poor
<b>Beral 1137</b>	Asbestos free, flexible friction material, elastomer bonded without iron fibers	Drum brake linings for lorries, commercial vehicles, car/trailer combinations, fork lifts, industrial applications, electromagnetic brake, agriculture axles	2,20	0,43	10-200	<30	<450	<250	poor
<b>Beral 1150</b>	Asbestos free, flexible friction material, elastomer bonded without metal fibers	Electromagnetic brakes and clutches, outside shoe brakes, especially used for steel or soft iron mating materials	1,80	0,52	15-150	<30	<350	<200	poor

**ASBESTOS FREE MOULDED FRICTION MATERIALS IN RIGID SHEETS**  
**THICKNESSES from 1.5 mm to 20.0 mm**

Moulded Material	Composition	Applications	Density (g/cm <sup>3</sup> )	Average friction coefficient project $\mu$	Surface pressure P( N/cm <sup>2</sup> )	Rubbing speed V ( m/s)	Temperature (short time ) °C	Temperature (continuous) °C	Oil Resistance
<b>EBB 7250</b>	Rigid moulded, asbestos free friction material on a elastomeric/resin matrix, reinforced with synthetic fibers, without metal components	Brake shoes and disk brakes for the mechanical engineering sector, clutch an brake combinations, suitable for high rubbing speed applications	1,90	0,47	15-400	<40	<400	<250	poor
<b>EBB 7260</b>	Rigid moulded, asbestos free friction material on a elastomeric/resin matrix, reinforced with synthetic fibers and without metal components. The specific weight is very low	Brake and friction linings for industrial applications. Suitable for wet applications.	1,50	0,35	15-350	<50	<400	<250	Very good
<b>EBB 7270</b>	Rigid moulded, asbestos free friction material on a elastomeric/resin matrix, reinforced with synthetic fibers and no magnetic metal	Rigid drum brake linings, Servo brakes	2,40	0,45	30-1000	<40	<400	<250	poor