JURID™
by Honeywell

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JURID 816M

Non-asbestos friction material for railway brake blocks

1. General

JURID 816M is an asbestos-free and metal containing friction material, compounded with a special resin. JURID 816M has been developed for brake blocks of railway vehicles where a high friction level (K-block) is required. The material shows a very good wear resistance, a low sensitivity to wetness and a good thermal stability. JURID 816M is known for very low wear on the wheelsurface. It fulfills the requirements of the SNCF-shunting test.

2. Recommended applications

Block brake for railway vehicles (freight wagons and passenger vehicles)

v_{max}	: 160 km/h
$p_{spez\ (max)}$	: 150 N/cm^2
$T_{permanent}$	: 400 °C
T_{short}	: 550 °C

3. Friction characteristics

Depending on application it can be counted on μ = 0,20...0,30.

4. Physical Data

Density	: 2,00 g/cm^3
Hardness (HRR)	: 100
Thermal conductivity	: 0,9 W/m*K
Specific thermal capacity	: 1,0 J/g*K
Modul of comp. elasticity (20°C)	: 1800 MPa
Compressive strength	: 100 MPa

EA / Berthold

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