

JURID 707

Sinter material for disc brake pads

1. General

JURID 707 is a powder-metallurgically produced friction material on a copper-iron basis. This material has a stabil friction coefficient and was developed for high energy disc brake pads.

2. Recommended ranges of application

High energy disc brake systems. Recommended disc material is cast steel.

v_{\max}	: 350 km/h
$P_{\text{sp max}}$: 150 N/cm ²
$T_{\text{permanent}}$: 700 °C
T_{short}	: 900 °C

3. Friction coefficient

According to the field of application can be counted on $\mu = 0,34 - 0,39$

4. Important physical characteristics

Density	: 5,4	g/cm ³
Hardness Brinell	: ~ 16	
Thermal conductivity	: $\geq 6,0$	W/mK
Specific thermal capacity	: $\geq 0,45$	J/gK
Coefficient of thermal expansion	: $\geq 25 \cdot 10^{-6}$	K ⁻¹
Shear strenght	: 10	N/mm ²