

ID Material:  
R. Antich  
Revision: 5  
Date: 6/25/16

# TT137

## PRESSURE-DRIVEN SINTERED BRONZE ALLOY

**THERMOTECH 137 is a pressure-driven sintered bronze/iron-based friction material. The relatively high proportion of bronze, as well as the carefully chosen types of graphite and silicate result in an extremely high wear resistance, even under high energy conditions. TT137 offers a mid-high friction coefficient with smooth engagement while preserving the mating surfaces. The material is free of lead.**

### Technical Data

#### Typical Applications

Typical applications of the THERMOTECH 137 material include: heavily loaded segments or differential clutches for extreme automotive service and industrial machinery such as marine gearboxes, stamping presses, heavy-duty and high performance vehicles and construction machinery.

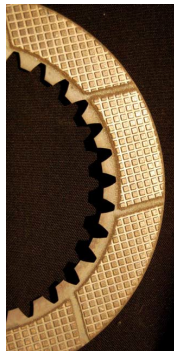
**COLOR:** Brown

**STRUCTURE:** Rigid

#### COMPOSITION:

- METALLIC Yes
- ARAMID No

**MAIN FIBER:** Sintered Bronze Alloy



#### Friction Coefficient

	WET		DRY
• Static:	0.16	-	0.45
• Dynamic:	0.15	-	0.37

WEAR RATE	4.2 x 10 <sup>-8</sup> cm <sup>3</sup> /J
TENSILE STRENGTH	31kg/cm2
HARDNESS	> 65 HRS
ENERGY CAPACITY	175J/cm2
POWER CAPACITY	225W/cm2
MAX. SLIDING SPEED	< 30m/s

MAX. DYNAMIC PRESSURE <4.1 MP

MAX. SURFACE PRESSURE <7.1 MP

#### Available Forms

Gear Tooth Facings  
Disc Brake Pad  
Clutch Facings & Buttons  
Special Pieces

Price Level : \$\$\$

The above data is taken from specific test parameters therefore results can vary in different application conditions