45 Kensico Drive
Mount Kisco, NY 10549
T. 914-244-3600

ID Material:

R. Antich

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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	**4.2×10^{-8} cm^3/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