Ferotec Friction, Inc.

150 Shellyland Road Rapho Business Park
PO Box 387 Mount Joy, PA 17552
(717) 492-9600 Fax: (717) 492-9601

PRODUCT DATA SHEET

FRICTION MATERIAL COMPOSITE: **D6960**

PRODUCT DESCRIPTION: D6960 is a medium to high coefficient composite sintered friction material. It does not contain asbestos, lead or zinc. It exhibits very good durability. It is designed for dry running applications like wind turbines, high speed trains and racing motor bikes.

PHYSICAL PROPERTIES		
Density (g/cc)		4.7075
Hardness		50+ by ASTM E 18
Shear Strength		1275 psi (8.8 Mpa)
Compression Strength		17,400 psi (120 Mpa)
Thermal Conductivity		38.6/mK @ 300°C
Specific Heat		0.6J/gK @ 300°C
Friction Properties		
Mean dynamic friction coefficient		0.4 - 0.5
Mean static friction coefficient		0.6
Rubbing Speed		21.6 m/sec
Clamping force		8992 lbs (40,000N)
Friction radius		0.35m
Energy		1.525MJ
Friction area		400 cm^2
RECOMMENDED OPERATING PRESSURES / TEMPERATURES		
Maximum load		5N/mm^2 (Dynamic pressure)
Maximum rubbing speed		80m/sec
Maximum continuous temperature		700°C
Maximum short time temperature		900°C

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PRODUCT DATA SHEET

FRICTION MATERIAL COMPOSITE: **D6962**

PRODUCT DESCRIPTION: D6962 is a medium coefficient composite sintered friction material. It does not contain asbestos, lead or zinc. It exhibits very good durability. It is designed for dry running applications like wind turbines, high speed trains and racing motor bikes.

PHYSICAL PROPERTIES		
Density (g/cc)		5.20
Hardness		50+ by ASTM E 18
Shear Strength		1160 psi (8 Mpa)
Compression Strength		20,300 psi (140 Mpa)
Thermal Conductivity		37.8!/mK @ 300°C
Specific Heat		0.5J/gK @ 300°C
Friction Properties		
Mean dynamic friction coefficient		0.34 - 0.45
Mean static friction coefficient		0.5
Rubbing Speed		21.6 m/sec
Clamping force		8992 lbs (40,000N)
Friction radius		0.35m
Energy		1.525MJ
Friction area		400 sq. cm.
RECOMMENDED OPERATING PRESSURES / TEMPERATURES		
Maximum load		5N/mm² (Dynamic pressure)
Maximum rubbing speed		80m/sec
Maximum continuous temperature		700°C
Maximum short time temperature		900°C