

ID Material: 38
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HCC

HCC is a special woven material that is designed to work at high temperatures and has a low rate of wear. It is based on VH-03 and has been reinforced with extra copper to increase friction perform. HCC can dissipate heat, has very stable friction coefficient and steady work at high temperatures with minimal wear. The Copper Plus material with its alloy backing matched to a performance pressure plate will provide smooth engagement and extended life.

Material data

Friction propieties (according graphics)

| | | |
|--|------------|----|
| Static Friction Coefficient (15bar, from box): | 0.45±0.05 | μ |
| Static Friction Coefficient (15bar, 100°C): | 0.45±0.05 | μ |
| Dynamic Friction Coefficient: | see charts | |
| Wear Rate: | see charts | |
| T° Fading: | >400 | °C |

Physical properties

| | | |
|---------------------------------|----------|---------|
| Hardness (DIN53505): | 85±5 | Shore-D |
| Specific Gravity (ASTM D792): | 1.9±0.05 | gr/cm3 |
| Ignition Loss (ASTM D7348): | 40±2 | % |
| Acetone Extraction (ASTM D494): | 2±0.2 | % |

Mechanical properties

| | | |
|--|-----------|-------------------|
| Compressive Strength (ISO 844:2014): | 140±5 | N/mm ² |
| Burst Resistant (200 x 137 x 3,5) 200°C: | 14000±100 | RPM |

Recommended Working Values

| | | |
|---------------------------------|-----|----|
| T° Max. Continuous Operation: | 250 | °C |
| T° Max. Intermittent Operation: | 400 | °C |

Material type : Woven yarn

Appearance / Formats



Applications

Heavy vehicle clutches - Trucks clutches - Vehicles clutches -

Price Level : € € €

Reach (EC)1907/2006 - RoHS 2011/65/EU : Compliance

Others

| | |
|-----------------------------|--|
| Recommended Mating Surface: | Perlitic cast iron, hardness HB150-200 |
| Recommended Adhesives: | Thermosetting adhesive |
| Oil Resistant: | Yes |

