

## D3915 Product Data Sheet

### General Description

D3915 is a flexible molded composite available in roll and sheet form, exhibiting excellent temperature resistance. D3915 is suggested for dry use only; it is not recommended for use in oil in situations where oil and grease are encountered. D3915 must be fully cured for riveted applications.

### Applications

Industrial brakes  
Industrial clutches  
Miscellaneous industrial devices

### Bonding

D3915 may be bonded using any of the established adhesives recommended for friction material. However, to obtain the best results it is necessary to use a thermosetting adhesive.

### Mating Surface

A good quality, fine grained, pearlitic cast iron or cold rolled steel with a Brinell hardness of 180. Cast steels are not recommended.

### Availability

- **Roll**
  - Length 5M
  - Width 20 to 330mm
  - Thickness range 3.2mm to 12.7mm
- Sheet size 660mm x 330mm x 3.2 up to 12.7mm thick
- Sheet size 660mm x 530mm x above 12.7mm to 32.0mm thick
- Special shapes and discs on request

### TECHNICAL DATA

#### Friction

μ for design purposes :	Normal	0.42
	Hot	0.45
	@400°F	0.45
	Static @ 200°F	0.50
	Static @ 400°F	0.45

#### Recommended Operating Range

Max. Unit pressure	250psi
Max. rubbing speed	18 m/s
Min. temperature	-18C
Max. continuous temperature	150°C
Max. intermittent temperature	250°C

#### PHYSICAL PROPERTIES

Density	1.70 g/cc
Wear rate	0.0075 in <sup>3</sup> /hp-hr
Ultimate tensile strength	700 psi
Ultimate compressive strength	300 psi
Ultimate shear strength	1,350 psi
Hardness (Shore D)	55 +/-5

(All physical properties shown above are all mean values)

The information supplied in this data sheet is believed to be accurate and reliable, and was obtained by scientific and laboratory testing. However, since actual conditions of use are largely outside the control of FEROTEC FRICTION LIMITED, it is suggested that this material be thoroughly tested and its suitability for use be determined before final acceptance.

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