

ID Material:  
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 Revision: 2  
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# TF4650BXE

## COMPOSITION

Inorganic phenolic molded compound with excellent mechanical properties and superior dimensional stability. Suitable for static and low speed friction applications.

UL-94V listed. RoSH compliant.

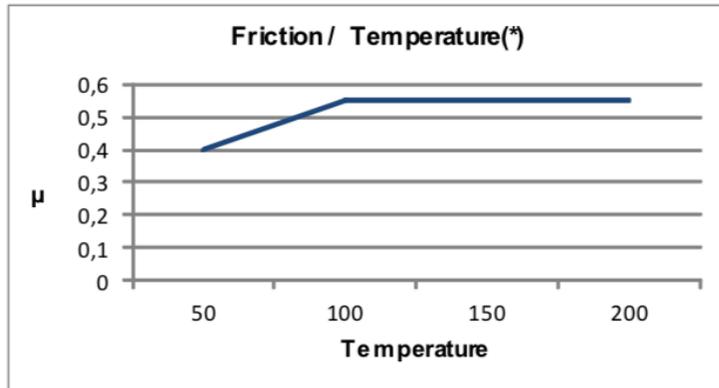
## Material Data

### Friction

Friction coefficient:	0.55±0.05	μ
Working pressure:	80	psi
Working temperature:	220°C	
Wear rate:	110	mm <sup>3</sup> /kWh (80 psi)

### Physical Properties

Hardness:	90 ± 5	Sh D
Specific weight:	1,90 ± 0,1	g/cm <sup>3</sup>
Flexural Strength	240	Mpa
Compressive Strength	430	Mpa
Tensile strength:	119	Mpa
Color:	Black	



(\*) FAST test (500 rpm, 80 psi)

### Applications

Static and low speed (500 rpm) friction applications and brakes. Clutches and oil dipped clutches. Brakes and clutches for electric motors.

### Format

Molded material for brake discs and brake plates

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