

Datasheet AB3240



It's a black rigid friction material based on graphite with a medium low friction coefficient. Phenolic resins is used as a bonding system with short fibers, friction lubricants and fillers. AB3420 is cured and suitable for bonding and reviting.

Application

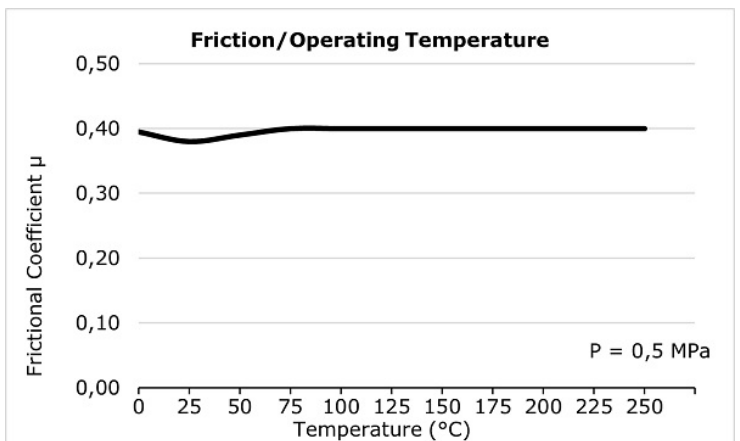
Suitable voor continuous brakes, torque limitator, friction washers and callipers for industrial applications

Material

Black rigid friction material based on graphite.

Availability

| | Value | Unit |
|-----------------|------------|------|
| Length standard | on request | |
| Sheet thickness | on request | |
| Sheet size | on request | |



AB3240 - Specifications

Physical properties

| | Test standard | Value | Unit |
|----------------------|---------------|------------|------|
| Density | | on request | |
| Poisson factor | ASTM D638 | 0,26 | [-] |
| Thermal conductivity | | on request | |

Mechanical properties

| | Test standard | Value | Unit |
|---------------------------------------|---------------|-------|---------|
| Compressive strength static | ISO 844:2014 | 160 | MPa |
| Module of elasticity - Youngs modulus | ASTM D638 | 5200 | MPa |
| Tensile strength | ASTM D638 | 16 | MPa |
| Shear Modulus | ASTM D2344-00 | 2100 | MPa |
| Hardness | DIN 53505 | 90 | SHORE-D |

Thermal properties

| | Test standard | Value | Unit |
|----------------------------------|---------------|-------|------|
| Max. working temperature | | 250 | °C |
| Intermittent working temperature | | 350 | °C |
| Fading temperature | | >350 | °C |

Friction properties

| | Test standard | Value | Unit |
|---------------------------------|------------------|------------|------|
| Coefficient of friction static | 15 bar, from box | 0,55 | [-] |
| Coefficient of friction dynamic | | on request | |
| Wear factor | | on request | |

Electrical properties

| | Test standard | Value | Unit |
|--|---------------|-------|------|
|--|---------------|-------|------|