

Friction Material:SWR

Technical Data

SWR is a flexible woven friction material and is composed with an 3 axis yarn construction reinforced with brass wire.
SWR is a tough material with heat and compression resistance.

Description Material

Type: Flexible woven friction material

Availability: Rolls

Applications: Machinery Mining industries
Machinery Marine industries
Marine towing winches
Heavy-duty industrial machinery
Heavy loaded Winches and Cranes
Industrial drum and band brakes

Friction proprieties (F.A.S.T test)

Dynamic Friction Coefficient (@79N, 7m/s): $0.65 \pm 0.05 \mu$

Wear Rate (@79N, 7m/s): $288 \pm 10 \text{ mm}^3/\text{Kwh}$

T° Fading (@100N, 11.5m/s): 240°C

Physical Proprieties

Hardness (DIN53505): $65 \pm 5 \text{ Shore-D}$

Specific Gravity (ASTM D792-91): $1.61 \pm 0.05 \text{ gr/cm}^3$

Mechanical Properties

Tensile Strength (ASTM D638-10): 25 N/mm^2

Compressive Strength (UNE 53205): 180 N/mm^2

Ultimate Shear Strenght (ASTM D732): 45 N/mm^2

Recommended working values

T° Max. Continuous Operation: 230°C

T° Max. Intermittent Operation: 280°C

Maximum unit pressure: 14 Kg/cm^2

Maximun velocity: 15m/s

Others

Recommended Mating Surface: Perlitic cast iron, hardness HB150-200

Recommended Adhesives: Thermosetting adhesive.

Oil Resistant: Yes