Frenos Sauleda s.a.
science friction

Barri del migdia S/N - E 08396
Sant Cebrià de Vallalta (Barcelona - Spain)
sauleda@frenossauleda.com
Tel. (+34) 93 763 11 20 Fax (+34) 93 763 10 61

ID Material	C8
Responsable	Ricard Antich
Revision	1
Revision date	29/07/2024

SWR

SWR is an asbestos free composite woven from finely carded yarns containing brass wire.Its a dense, tough material which exhibits resistance to heat and compression under load.

Material data

Friction properties

Static Friction Coefficient (@15bar, from the box)	0.55±0.05 µ
Static Friction Coefficient (@15bar, 100ºC)	0.50±0.05 µ
Dynamic Friction Coefficient (10bar, 10m/s)	0.50±0.05
Dynamic Friction Coefficient (@79N, 7m/s)	0.55±0.05 µ
Wear Rate (@79N, 7m/s)	200 mm³/Kwh
Tº Fading (@10bar, 10m/s)	>250 °C
Tº Fading (@100N, 11.5m/s)	288±10 °C

Physical properties

Hardness (DIN53505)	65±5 Shore-D
Specific Gravity (ASTM D792)	1.61±0.05 gr/cm3

Mechanical properties

Tensile Strength (ASTM D638)	70±10 N/mm²
Compressive Strength (ISO 844:2014)	80±10 N/mm²
Ultimate Shear Strenght (ASTM D732)	150±10 N/mm²

Recommended Working Values

Tº Max. Continuous Operation	235 °C
Tº Max. Intermittent Operation	288 °C
Max. Pressure	14 Bar
Max. Rubbing Speed	152 m/s

Material type

Woven · Flexible

Appearance / Formats





Rolls

Applications

Cones segments for machinery · Crane and excavator brakes and clutches · Drum Brakes · Heavy loaded Winches and Cranes · Machinery Marine industries

Price Level

€ € €

Reach (EC)1907/2023 - RoHS 2015/863/EU

Yes

Others

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

Charts

