

DESCRIPTION

Trackelast FC892 is formulated as an oil resistant elastomer bonded cork material designed to give maximum resistance to chemicals, UV radiation, and other degradants.

It is usually supplied in 10mm thickness with an integrally bonded 1mm thick insulating layer on one side to provide high electrical insulation for track circuiting requirements.

APPLICATION

FC892 can be used either as a baseplate pad or as continuous rail support between flat bottomed rail and concrete slab track. It is designed to have excellent resilience, damping and impact attenuation properties for axle loads up to 25 tonnes. It is suitable for use in most climates and with temperature fluctuations of -30°C to +50°C.

TYPICAL PHYSICAL PROPERTIES

Test	Method	Conditions	Data	Units
Hardness	ISO 48		65	°IRHD
Tensile Strength	ISO 37		1.7	MPa
Elongation at Break	ISO 37		45	%
Abrasion Resistance	Taber	3000 cycles, 250g	1.0	g loss
Abrasion Resistance	Taber	3000 cycles, 250g	0.5	mm loss
Electrical Resistance, Wet	BS 903 pt. C2	250v dc	10 ⁷	Ω
Static Deflection		200 x 119mm, 0-5 kN	<0.1	mm
"		200 x 119mm 5-25 kN	0.8 - 1.2	mm
Coefficient of Friction		to concrete, dry	0.68	
"		to concrete, wet	0.60	
"		to steel, dry	0.71	
"		to steel, wet	0.56	

HISTORY & SERVICE

Trackelast FC892 has been used extensively throughout the world in many different service conditions, in the United Kingdom, New Zealand, Spain, South Africa and Hong Kong, both in main line and metro applications.

During construction in continuous support applications it is sometimes necessary to bond the FC892 to the concrete plinth for retention purposes. Tiflex can recommend and supply suitable adhesives for all applications.

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