

DESCRIPTION

Trackelast FC650 Insulator Pad has been specially designed with a high degree of fire resistance and excellent electrical insulation properties.

It was derived from a formulation achieving a class 0 standard when tested to fire specifications BS476 parts 6 and 7.

APPLICATION

The main application is as a fire resistant insulation pad used on underground systems for third rail isolation and other areas where good fire and electrical insulation properties are required.

TYPICAL PHYSICAL PROPERTIES

Test	Method	Conditions	Data	Units
Hardness	ISO 48		90	°IRHD
Density	ISO 2781		1.65	g/cm ³
Tensile Strength	ISO 37		5.9	MPa
Elongation at Break	ISO 37		60	%
Electrical Resistance	BS 903 pt. C2	500v dc	2.5 x 10 ¹¹	Ω
Static Stiffness, 3mm		Flat pad, 0.2 - 50kN	41400	kN/mm/m ²
Static Stiffness, 3mm		Profiled pad, 0.2 - 50kN	4250	kN/mm/m ²
Water Absorption	BS 903 pt. A16	7 days, 21°C	0.3	%
Compression Set	ISO 815	24hrs, 70°C	16.1	%
Oxygen Index	ISO 4589-2		39.7	%

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