

DESCRIPTION

FC584 is a high quality solid elastomeric bonded cork rail pad, black in colour. Available in a range of thicknesses from 3mm up to 25mm.

APPLICATION

Used as a rail seat pad material, for use between either flat-bottomed rails and concrete sleepers or on malleable iron or steel baseplates. It is designed for maximum axle loads of 25 tonnes and speeds up to 250 KM/hr.

TYPICAL PHYSICAL PROPERTIES

Test	Method	Conditions	Data	Units
Hardness	ISO 48		60 ± 5	°IRHD
Density	ISO 2781		1.05 ± 0.05	g/cm ³
Tensile Strength	ISO 37		>5.0	MPa
Elongation at Break	ISO 37		>280	%
Abrasion Resistance	Taber	3000 cycles, 1000g	<2.0	g loss
Abrasion Resistance	Taber	3000 cycles, 1000g	<0.6	mm loss
Electrical Resistance	BS 903 pt. C2	500v dc	>3.0 x 10 ⁵	Ω
Static Stiffness	176 x 140 x 10mm	20 - 80 kN at 1200 kN/min	190	kN/mm
"	176 x 140 x 7.5mm	20 - 80 kN at 1200 kN/min	290	kN/mm
"	176 x 140 x 5mm	20 - 80 kN at 1200 kN/min	480	kN/mm
Impact Attenuation	prEN 13146-3	10mm Thickness, Type 'A'	35	%
"	prEN 13146-3	7.5mm Thickness, Type 'B'	21	%

HISTORY & SERVICE

Trackelast FC584 was developed during a research programme with British Rail Research and Development Division to meet the conditions encountered on (today's) high speed main line passenger/freight services as well as less exacting conditions on slower speed track.

FC584 has been in service with British Rail since 1979 and is installed as a standard rail pad material in many other European countries, especially in Scandinavia. Well over 18 million pads are in trouble free service.

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