

Soltex Rubber Bearing Pads

Description

Soltex Black Natural Rubber to BS EN 1337/3 Bridge Bearing Pads are a Black Natural rubber suitable for Bridge bearings, manufactured to the latest standard BS EN 1337/3. Ideal where bridge bearing are produced from sheet.

Due to their ability to absorb brief external force, as well as force from vertical loads, bearing pads can be used to isolate and nullify vibrations, including in applications such as vibration and shock isolation railway tie pads. Rubber bearing pads are one of the key components of a bridge's flexibility. Distributing loads to the substructure, this facilitates natural movements, without creating harmful stress. If a bridge undergoes excessive amounts of irregular stress, it could collapse. Bridge bearings also spread the stress loads, reducing wear and tear to the materials used in the building process. Over time, this saves on costs.

- Thickness: 5mm to 25mm (other thickness' on request)
- Sheet Size: 1.4m wide in 5m and 10m rolls
- Cutting: Standard press-tools
- REACH, RoHS, PAH and CE compliant.
- Finish: Smooth finish
- Certified to BS EN1337-3.
- Natural Rubber: 60° Shore.



PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC
SPECIFIC GRAVITY	DIN 53508	1.25 ± 0.05	ASTM D297	1.25 ± 0.05
HARDNESS	DIN 53505	60 ± 5 SH A	ASTM D2240	60 ± 5 SH A
TENSILE STRENGTH (MIN)	DIN 53504	2275 PSI	ASTM D412	155KG/CM2
ELONGATION AT BREAK (MIN)	DIN 53504	400%	ASTM D412	400%
COMPRESSION SET (70°C/24)	DIN 53517	30%	ASTM D395	30%
TEAR RESISTANCE (ANGULAR)	DIN 53515	335 LBS/INCH	ASTM D624	60 KG/CM
ABRASION RESISTANCE (MM?)				120
CHANGE IN PROPERTIES AFTER HEAT AGEING FOR (168 HRS. AT			ASTM D573	
--- HARDNESS (PTS)		- 5 / + 10		- 5 / + 10
--- TENSILE STRENGTH (%)		± 15		± 15
--- ELONGATION AT BREAK (%)		± 25		± 25
VOLUME SWELL : AT 70°C FOR			ASTM D 471	
IN IRM OIL NO.1		NOT		NOT
IN IRM OIL NO.2		NOT		NOT
IN IRM OIL NO.3		NOT		NOT
CHEMICAL RESISTANCE				
--- OZONE RESISTANCE		NO CRACKS	ASTM D 1149	NO CRACKS
--- DILUTE ACIDS AND BASES		NOT		NOT
--- CONCENTRATED ACIDS AND		NOT		NOT
--- OILS		NOT		NOT
--- SOLVENTS		NOT		NOT
TEMPERATURE RANGE		-20° TO + 70 °C		-20° TO + 70
COLOUR		BLACK		