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Ultraload Fibre Reinforced Bearing Pads

Ultraload Fibre Reinforced Load Bearing Pads are manufactured using recycled high- quality tyres resulting in an economical and environmentally friendly product. The fully vulcanised rubber has inclusion of majorly dispersed fibres creating a unique compound that exhibits outstanding strength and durability. Ultraload can withstand harsh conditions like exposure to ozone and low temperatures. This product is commonly used in construction applications, prestress concrete bridges, buildings, machinery and equipment foundations.

USES

Bearing pads have a range of applications and are commonly used as handrail bearing pads, lighting standard pad seats, vibration isolation railway tie pads and in bridge bearing masonry along with other applications. If you are unsure whether this product is right for you, feel free to give us a call to discuss your requirements with one of our many experts.

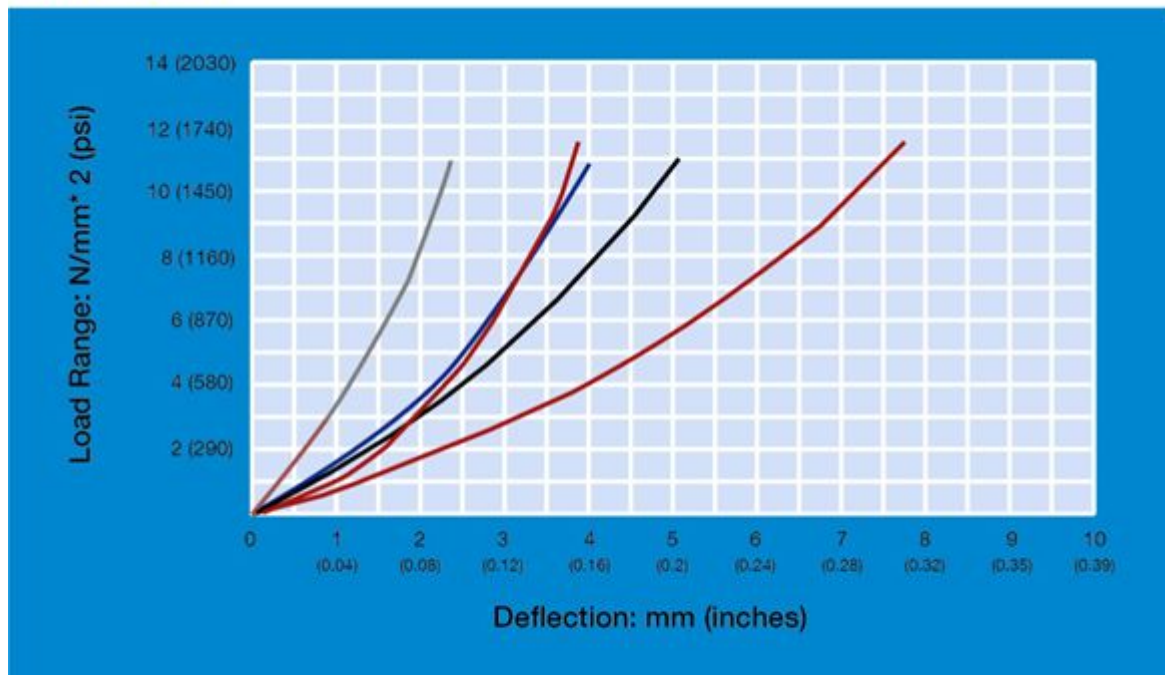
MATERIAL COMPOSITION

The material is reinforced with synthetic fibre during the construction process of the sheet, increasing internal strength considerably. This unique process adds enhanced levels of tensile and compression strength, durability, tear resistance, stiffness and superior weather and ozone resistance. This could not be achieved without the fibre reinforcement.

Physical Properties	Test Method	Specification of METROLOAD Bearing Pads	
Tensile Strength, Min	ASTM D412, Die C	MD: 5.2 Mpa	MD: 754 PSI
Tear Strength, Min	ASTM D624, Die B	MD: 26.4 kN/m	MD: 150 PI M
		TD: 52.5 kN/m	TD: 300 PI
Elongation, %, Min	ASTM D412, Die C	MD:15 TD: 40	
Hardness, Shore A	ASTM D2240	80 ± 5	
Specific Gravity	ASTM D297 sec. 16.3	N/A	
Ozone Resistance	ASTM D518 "B"	Application Specific	
Low Temperature Resistance	ASTM D2137 at -40°C	Pass	
Coefficient of Friction	ASTM D1894	>0.8	
PHYSICAL PROPERTIES (HEAT AGED)	TEST METHOD ASTM D573, 70H at 70°C		
Tensile Strength, Change % Max	ASTM D412, Die C	±25	
Elongation, Change %, Max	ASTM D412, Die C	±25	
Hardness, Change Pts	Max. ASTM D2240	±10	

LOAD DEFLECTION

Ultraload



Failure to select the correct materials or products can result in damage to plant and equipment and personal injury. In specific applications, where critical conditions exist, we suggest you contact us, and we will consider with you the most suitable material or product. However, information supplied by William Johnston & Company Limited is intended only as technical co-operation and as a guide to the various uses of different products. No warranty is given in respect of information or recommendations by William Johnston & Company Limited which are only given for guidance and without any guarantee. The customer must satisfy themselves on the suitability of the material or product for the intended purpose. The correct fitting of products particularly is the responsibility of the customer.