



## TekLoad™ TL1000

REINFORCED LOAD BEARING PADS

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### Material Specification

(Typical Properties)

#### INTRODUCTION

TekLoad™ TL1000 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 fibre creating a unique compound that exhibits outstanding strength and durability.

TekLoad™ TL1000 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.

#### APPLICATIONS

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 on 0800 6444 949 and discuss your requirements with one of our 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.



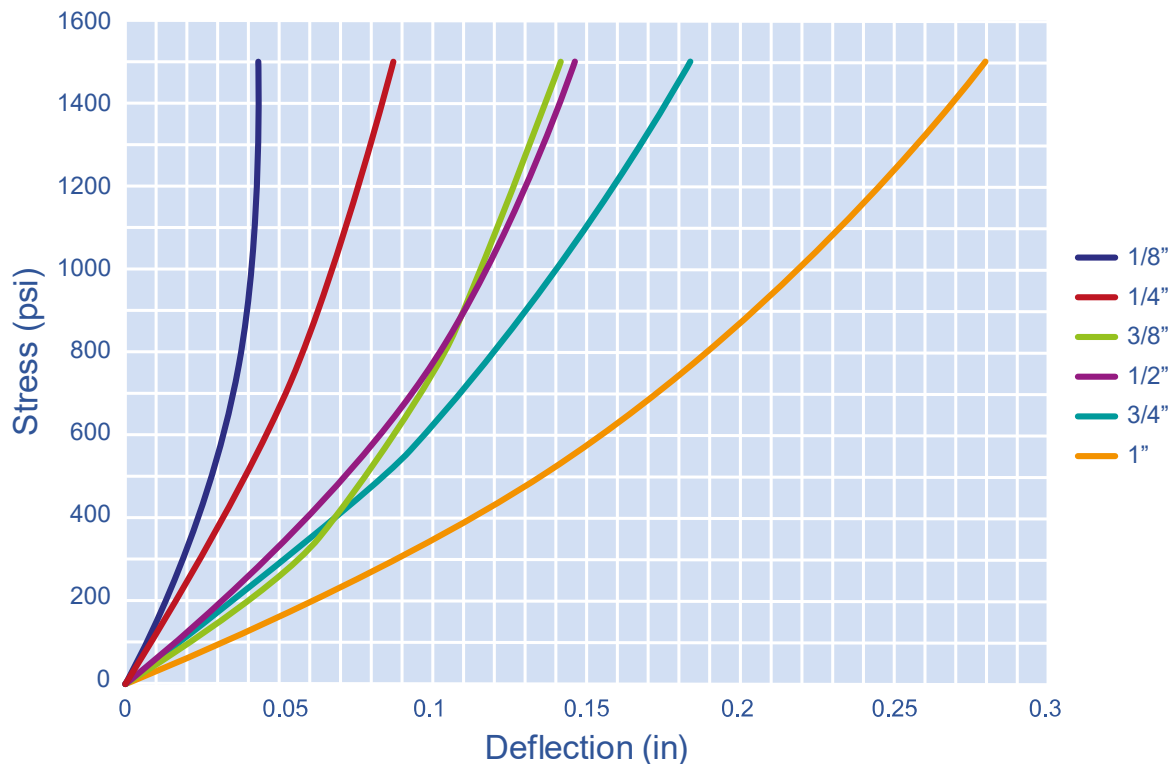
Thermal Breaks

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## Technical Data

Physical Properties	Test Method	Specification of TekLoad™ TL1000 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 TD: 52.5 kN/m	MD: 150 PI 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, Changed %, Max	ASTM D412, Die C	±25	
Elongation, Changed %, Max	ASTM D412, Die C	±25	
Hardness, Changed Pts	Max. ASTM D2240	±10	
Maximum Load (PSI)		1000	

## Load Deflection



Note: The colours of each line represent thicknesses labelled in the key to the right of the graph.

Disclaimer. These figures are typical values for the material and do not represent a product specification. Properties will vary depending on source of raw material, method of processing, physical form of product, direction of measurement etc.

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