



LOAD BEARING PADS

Syamar® Load Bearing Pads are used extensively in standard construction applications, precast and prestressed concrete bridges, buildings and structural steel bearings applications, as well as machinery, equipment foundation, railway tie pads, and shock and vibration isolation.

Syamar Load Bearing Pads are made from Syamar masticated rubber which is a fully cured fibre reinforced rubber made from a proprietary blend of recycled rubbers. During the manufacturing process synthetic fibres are added to the base rubber compounds to create an internal stiffening much like steel reinforced concrete. This mesh structure delivers enhanced tensile and compressive strength, stiffness, tear resistance, durability, and superior ozone and weather resistance. The combination of these properties cannot be achieved using only virgin materials.

Syamar XP

Our premium grade Syamar XP Elastomeric Load Bearing Pads are constructed in a unique cross ply manufacturing process, giving uniform physical properties in all directions. These premium grade load bearing pads are designed for more demanding structural applications with greater load requirements.

Syamar® Load Bearing Pads are manufactured in continuous cure presses, not batch presses, which allows us to economically produce custom shapes and sizes and meet the demands of large scale construction projects. Load bearing pads can be supplied to specified dimensions ready for installation, including required cut outs and holes, or in sheet form for later sizing.

- **Stock sheets are available in 1.219m x 1.219m (48" x 48") and 3.17mm to 25.4 mm (1/8" to 1") thickness.**
- **Custom sizes can be made to suit your application.**

Syamar elastomeric bearing pads have been used in:

- Bridge bearing masonry pads
- Lighting standard pad seats
- Handrail bearing pads
- Pads between steel beams, girders, and columns
- Pads between bridge and roof beams and substructures.
- Shock and vibration isolation
- Railway tie pad applications

Syamar Load Bearing Pads are available in two grades:

SYMAR SP ELASTOMERIC LOAD BEARING PADS

Compressive design loads up to 10.3 N/mm² (1500 psi) and ultimate compressive strength of 69.8 N/mm² (10,000 psi)

SYMAR XP ELASTOMERIC LOAD BEARING PADS

Compressive design loads up to 13.8 N/mm² (2000 psi) and ultimate compressive strength of 103.4 N/mm² (15,000 psi)



Made with



NATIONAL RUBBER TECHNOLOGIES
A KN Rubber company

National Rubber Technologies Corp., A KN Rubber company, is one of the largest manufacturers of premium grade bearing pads in the construction industry. We are a vertically integrated manufacturer and annually ship over 100 million pounds (45 million kg) of rubber products annually to distributors and end users in North America, Europe, and the Middle East.

CUSTOMER SERVICE:
1-800-387-8501
info@nrtna.com



LOAD BEARING PADS

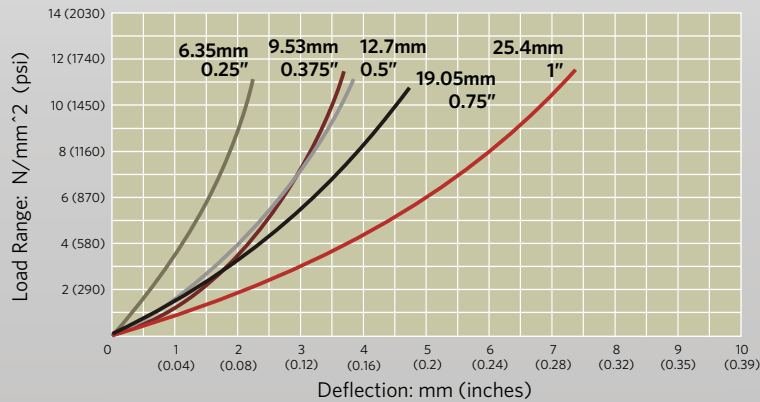
Technical Data

PHYSICAL PROPERTIES (ORIGINAL)	TEST METHOD	SPECIFICATION OF SYMAR SP LOAD BEARING PADS		SPECIFICATION OF SYMAR XP LOAD BEARING PADS	
Tensile Strength, Min.	ASTM D412, Die C	MD: 5.2 Mpa	MD: 754 PSI	MD: 7.0 Mpa	1000 PSI
Tear Strength, Min.	ASTM D624, Die B	MD: 26.4 kN/m	MD: 150 PI	MD: 35 kN/m	200 PI
		TD: 52.5 kN/m	TD: 300 PI	TD: 70 kN/m	400 PI
Elongation, %, Min.	ASTM D412, Die C	MD: 15		MD: 15	
		TD: 40		TD: 40	
Hardness, Shore A	ASTM D2240	80 ±5		75 ±5	
Specific Gravity	ASTM D297 sec. 16.3	N/A		1.18	
Ozone Resistance	ASTM D518 "B"	Application specific		Application specific	
Low Temperature Resistance	ASTM D2137 @ -40°C	Pass		Pass	
Coefficient of Friction	ASTM D1894	>0.8		>0.8	
PHYSICAL PROPERTIES (HEAT AGED)	TEST METHOD				
	ASTM D573, 70H @ 70°C				
Tensile Strength, Change % Max.	ASTM D412, Die C	±25		±25	
Elongation, Change %, Max.	ASTM D412, Die C	±25		±25	
Hardness, Change Pts. Max.	ASTM D2240	±10		±10	

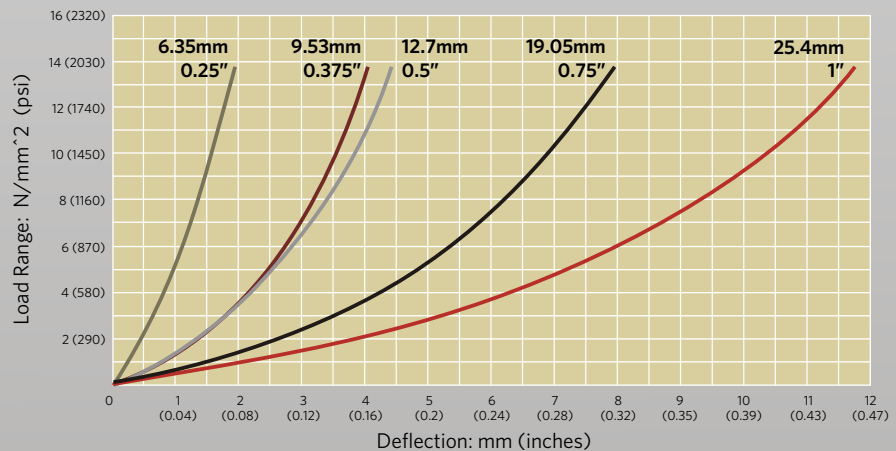
MD = Machine Direction; TD = Transverse Direction

Load Deflection

SYMAR SP LOAD BEARING PADS



SYMAR XP LOAD BEARING PADS



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