

RubtechTM

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RESILIENT
RUBBER
PRODUCTS



Hira
INDUSTRIES

Manufacturers of Moulded &
Extruded Rubber Products



INTRODUCTION

Established in 1980 in Dubai, United Arab Emirates, the **Hira Group** started their activities in the air-conditioning industry and is today one of the most trusted name in the Middle East and India for HVAC requirements.

Hira Industries L.L.C is the manufacturing division of the group with an established state-of-the-art rubber plant, catering to the markets demands for moulded and extruded rubber products. Rubtech™ brand of rubber products are made as per customer specifications for industrial, marine and construction industries. At Hira Industries, our mission is to be a full-line designer, producer and supplier of all customized rubber requirements. We aim to constantly improve our products and services by continually reducing the variability of our process and never depending upon inspection to achieve quality, but as a tool to measure this variability.

Rubtech™ Product Range

- Rubtech™ Rubber Corner Guards
- Rubtech™ Rubber Wheel Stoppers
- Rubtech™ Rubber Wall Guards
- Rubtech™ Rubber Speed Humps
- Rubtech™ Marine Fenders
- Rubtech™ Neoprene Pads
- Rubtech™ Moulded & Extruded Rubber Products
- Rubtech™ EPDM Rubber Profiles

Design and Development: The Rubtech™ Rubber Division of Hira Industries has technically qualified professionals for developing new products or modifying existing ones to offer total customized solutions and meet stringent customer demands. Computer Aided Designs and electronic file sharing capabilities decrease product development time and increase accuracy. Updated technical know-how enables the team to create designs that are easier to manufacture and can be competitively priced.

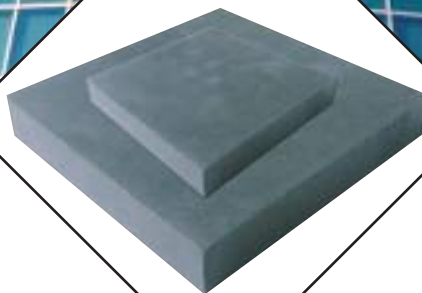
Regional and International Presence: Rubtech™ brand has a very strong presence in UAE, Saudi Arabia, Kuwait, Oman, Qatar, Bahrain and in most of the other Middle East countries. The brand has also been widely accepted in US, UK, and other European countries. This itself is a testimony to the high quality standards the division has adopted and sustained in all these years.

Customer Focused Approach: At Hira Rubber division, we believe in total satisfaction that leads to retaining the customer in the long run and consolidating the company's position in the competitive arena. Service oriented approach has always been our priority and we consider it to be our strength and technical superiority as the core competence. In case you need any clarification or guidance, please feel free to call on +971 4 884 8414 or send an e-mail to enquiry@rhira.com. We will be more than happy to assist you in the best possible manner.

Rubber Products from HIRA INDUSTRIES

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NEOPRENE PADS



ELASTIC SHOCK AND VIBRATION ABSORBING MATERIALS

Rubber Products from HIRA INDUSTRIES

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NEOPRENE PADS

ELASTIC SHOCK AND VIBRATION ABSORBING MATERIALS

DESCRIPTION:

Neoprene Pads are moulded or cut from moulded sheets of high-grade, new rubber compound.

USE:

They are used as economical efficient pads for pre-cast, pre-stressed concrete or steel beams in buildings. Neoprene Pads permit a smooth and uniform transfer of load from the beam to the substructure, allowing beam rotation at the bearing due to deflection of the beam under load. Neoprene Pads have no movable parts. Hence, thermal expansion and contraction are absorbed by the pads ability to give and take in shear. There is no sliding between the pad and beam or between the pad and abutment.

SPECIFICATION:

TEST NAME	TEST METHOD
Hardness	ASTM D2240
Tensile Strength	ASTM D412
Tear Strength	ASTM D624
Compression Set	ASTM D395
Elongation At Break	ASTM D412
Ozone Resistance	ASTM D5963
Brittleness at - 40°C	ASTM D2137

APPLICATION:

Neoprene Pads can be used in any environment where a structure needs to be isolated from a source of vibration. This includes offices, hospitals, apartments, oil rig modules, auditorium, TV, radio and other studios.

BENEFITS:

Superior dynamic performance, maintenance-free work life, vibration absorption, prevention of sound transfer and they are available in a range of sizes.

Note: These test values are obtained at normal laboratory condition. Results may vary from one lab to another lab by 5% to 10%.

RUBBER SELECTION DATA CHART

	NATURAL RUBBER	SBR	EPDM	NEOPRENE CR
COST FACTOR	1	1	1	2
HARDNESS RANGE	30-95°	40-95°	30-85°	30-90°
COLORS	Black	Black	Full Range	Limited Range
HEAT RESISTANCE (°C) Maximum Continuous Maximum Intermittent	75 °C 105 °C	85 °C 115 °C	130 °C 150 °C	95 °C 125 °C
LOW TEMPERATURE RESISTANCE	-60 °C	-55 °C	-50 °C	-40 °C
RESISTANCES Oxidation Ozone & Weathering	Poor Poor	Poor Poor	Excellent Outstanding	Good Good
OIL RESISTANCE *ASTM Oil No. 1 at 20 °C at 100 °C *ASTM Oil No. 3 at 20 °C at 100 °C	Poor Unsatisfactory Unsatisfactory Unsatisfactory	Poor Unsatisfactory Unsatisfactory Unsatisfactory	Fair Unsatisfactory Unsatisfactory Unsatisfactory	Excellent Good Good Fair
FUEL RESISTANCE *ASTM FUEL B at 40 °C	Unsatisfactory	Unsatisfactory	Unsatisfactory	Poor
CHEMICAL RESISTANCE Acids Bases	Poor-Fair Poor-Fair	Fair Good	Good Good	Good Fair
PHYSICAL STRENGTH	Fair-Good	Good	Good	Good
COMPRESSION SET	Poor	Good	Good	Fair to Good
TEAR & ABRASION RESISTANCE	Fair	Good	Good	Good
RESILIENCE	Fair	Good	Very Good	Very Good
PERMEABILITY TO GAS	Poor	Fairly Low	Fairly Low	Low
FLAME RESISTANCE	Poor	Poor	Poor	Self-extinguishing
WATER RESISTANCE	Fair	Good	Excellent	Good

SPECIFICATION

Hira Industries presents a range of rubber protection systems that are made of high impact resistance rubber manufactured in a number of different sizes and color configurations. Rubtech™ product range comprises of elements which can control the speed of vehicles; thus, protecting people, structural surfaces and other vehicles in the car park.

Rubtech™ product range also incorporates other elements which are purely for impact resistance, in order to avoid or minimize the potential damage to a structural component such as a column, a wall or a loading dock area when impacted.

The system has an aesthetic finish with concealed fixings, ease of installation, maintenance free and has an excellent resistance to UV and weathering. SBR Rubber properties are used in the manufacture of impact protection systems.

Sr.No.	Test Description	Unit	ASTM Method	Lab Observation
1.	Material	-	-	SBR
2.	Specific Gravity	-	-	1.450
3.	Hardness	°SA	D2240	75±5
4.	Tensile Strength	N/mm ²	D412	12.0
5.	Elongation at Break	% Min	D412	325
6.	Tear Resistance- Die C	KN/m min	D624	30
7.	Compression Set at 22hrs at 70 °C (158 °F)	% Max	D395	26
8.	Ageing Resistance 70hrs at 100 °C (212 °F)	°F	D573	Below are the results for the Ageing Resistance after the duration of time and temperature.
8.1	Change in Hardness	Points	D573	+4
8.2	Change in Tensile Strength	%	D573	-25
8.3	Change in Elongation at Break	%	D573	-22
9.	Water Resistance			Good
10.	Weather Resistance			Good

Note: Above specifications are for all products except Neoprene Pads and Rubtech Rubber Fenders

CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

Hira Industries LLC

Main Site: Plot No 118 to 123, 307, 309 & 311, Al Ghail Industrial Park
– RAKEZ, P.O. Box 9013, Ras Al Khaimah, United Arab Emirates

has been registered by Intertek as conforming to the requirements of:

ISO 9001:2015

The management system is applicable to:

Manufacture of Molded & Extruded Rubber Products, Aerofoam Closed Cell Polyolefin & Elastomeric Insulation Materials and Accessories, Self-Adhesive Tapes.

Certificate Number:

QMS 180405

Initial Certification Date:

07 May 2018

Date of Certification Decision:

07 May 2018

Issuing Date:

07 May 2018

Valid Until:

06 May 2021



Calin Moldovean

President, Business Assurance

Intertek Certification Limited, 10A Victory
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Kingdom

Intertek Certification Limited is a
UKAS accredited body under
schedule of accreditation no. 014.



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ISO 14001:2015

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Certificate Number:

EMS 180405

Initial Certification Date:

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President, Business Assurance

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has been registered by Intertek as conforming to the requirements of:

ISO 45001:2018

Certified to OHSAS 18001:2007 from 07.05.2018 to 04.05.2020.

The management system is applicable to:

Manufacture of Molded & Extruded Rubber Products, Aerofoam Closed Cell Polyolefin & Elastomeric Insulation Materials and Accessories, Self-Adhesive Tapes.

Certificate Number:

0101447

Initial Certification Date:

07 May 2018

Date of Certification Decision:

04 May 2020

Issuing Date:

04 May 2020

Valid Until:

06 May 2021



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Manufacturing Unit Located in UAE



Sales Units



Sales & Manufacturing Units



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