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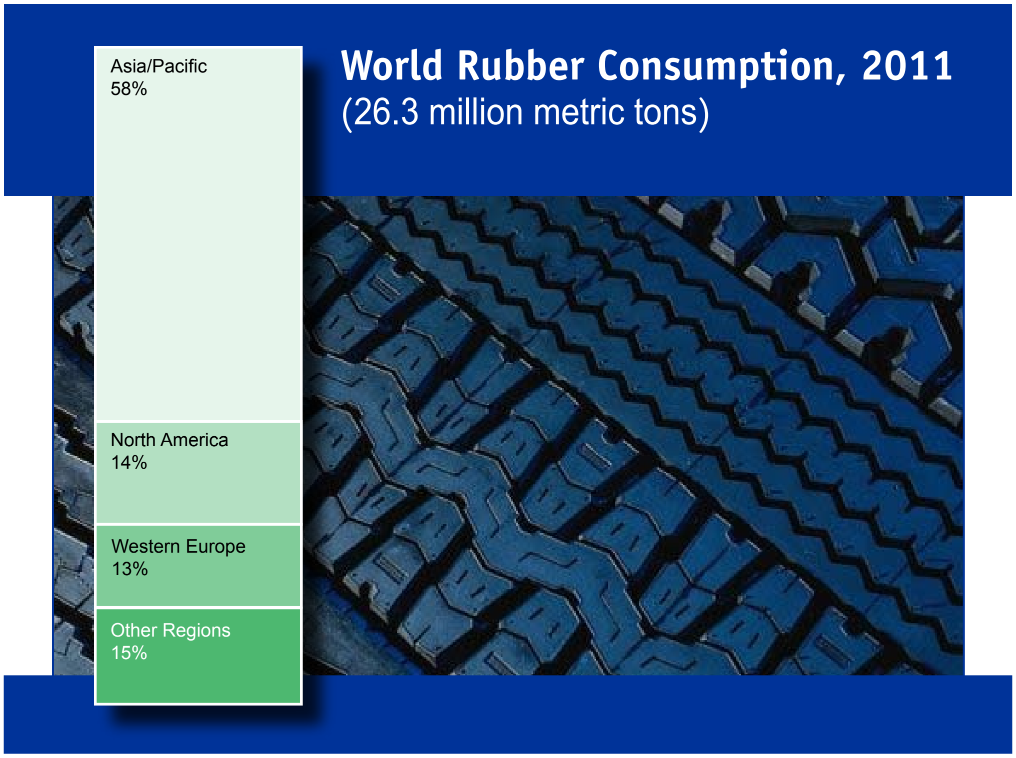
Rubber demand in China is expected to increase 9.5 percent annually to 7.8 million metric tons in 2011, the strongest rate of growth for any major rubber market in the world.

Global demand to grow 4% yearly through 2011

World rubber consumption is forecast to increase 4.0 percent annually to 26.3 million metric tons in 2011. Rubber demand will directly benefit from solid, albeit decelerating, growth in world motor vehicle production, as well as a stronger global economy. China overtook Japan as the second largest market in the world in the late 1990s and displaced the US in the top spot in 2002 -- a result of strong growth in motor vehicle production, as well as in the general economy, in the past decade. Rubber demand in China is expected to increase 9.5 percent annually to 7.8 million metric tons in 2011. While this is a slow-down from the torrid double digit increases achieved over the past decade, it will still be the strongest growth for any major rubber market in the world.

Asia/Pacific region to stay dominant, lead gains

The Asia/Pacific region is by far the leading rubber consumer, using more than half of all rubber consumed globally. In addition, the region is expected to see the strongest growth in rubber demand through 2011, reflecting strength in China, India, Thailand and Vietnam. Latin America, Eastern Europe and the Africa/ Mideast regions will also see solid increases. In contrast, rubber demand in Western Europe, the US and Japan will increase less than one percent annually.



World Rubber Consumption, 2011
(26.3 million metric tons)

Non-tire rubber to outpace tire rubber markets

Non-tire rubber will outpace tire rubber demand through 2011, and in the process overtake tire rubber demand. Demand for non-tire rubber products will benefit from rising industrialization levels in developing countries and solid opportunities in sectors such as automotive (belts, hoses, gaskets, moldings, cushioning), industrial (adhesives, padding, belting, vibration dampening, wire and cable sheathing, hoses), consumer (toys, cushions, door moldings) and construction (wire insulation, moldings, roofing, sealants and adhesives). Tire demand will benefit from solid gains in both global motor vehicle production levels as well as the number of motor vehicles in use, which will benefit OEM and replacement tire demand respectively. The continued popularity of performance tires and rising levels of vehicle ownership will support tire rubber demand. In addition, as incomes rise in many developing countries, there is a tendency to shift from retreads to new tires.

World Rubber & Tire

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Sample Text & Tables

TABLE VIII-37

IRAN TIRE SUPPLY & DEMAND
(million units)

Item	1996	2001	2006	2011	2016
Motor Vehicle Production (000)	[illegible]	[illegible]	[illegible]	[illegible]	1800
OEM tires per vehicle	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motor Vehicles in Use (million)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
replacement tires per vehicle	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tire Demand	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OEM Demand	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Replacement Demand	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
net exports	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tire Production	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Light Vehicle Tires	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Medium & Heavy Vehicle Tires	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
kgs per tire	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Tire Rubber Consump (000 m tons)	[illegible]	[illegible]	[illegible]	[illegible]	100

SAMPLE TABLE

OTHER REGIONS

Iran: Tire Supply & Demand - Tire demand in
rapidly over the past decade, more than tripling to over
Gains were driven by motor vehicle production increas
in the vehicle park in Iran. Through 2011, increases wi
the extremely rapid pace averaged between 1996 and 2
der ... to

SAMPLE TEXT

to ... per ... slov
dou ... t is s
of the average for the Africa/Mideast region. Gains wil
supported by the growth of domestic motor vehicle pro
Unlike most countries, OEM tire demand is larger than
tire market in Iran. This unusual tire demand pattern re
the number of vehicles in use is much lower in relation to the number of vehicles produced than is common throughout much of the world. The country has a fairly small vehicle park and motor vehicle production has grown much more rapidly than the number of vehicles in use over the past decade. This has provided significant OEM opportunities for tire
producers, while growth in the replacement market has

The smaller replacement tire segment will also see
rising 5.8 percent per year through 2011. The motor ve
rate in Iran has risen sharply for the past decade, but it r
54 vehicles per thousand persons in 2006. This utilizat
one-fourth that of Eastern Europe, providing an indicati
potential exists in the Iranian vehicle market. Vehicle u
pected to rise, and the concurrent growth in the vehicle
opportunities for replacement tires.

A significant amount of tire demand in Iran is met
tion, although the nation is a small net importer of tires.

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TABLE VIII-38

IRAN - TIRE PRODUCTION CAPACITY BY COMPANY, YEAR-END 2006
(thousand tires per day)

Company	Number of Plants	Capacity (000 tires/ day)	Medium/ Heavy Vehicles	Type of Tires: Light Vehicle	Medium/Heavy Vehicle	Ag. Mining & Industrial	All Other
Total Capacity	9	69.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]
Barez Industrial Group	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Dena Tire & Rubber	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Pars Tire	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Kian Tire	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iran Tire	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Kavir Tire & Rubber	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Artawheel Tyre	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Yazd Tire	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Iran Yasa Tire & Rubber	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SAMPLE TABLE

World Rubber & Tire

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TABLE VIII-39

IRAN RUBBER SUPPLY & DEMAND
(thousand metric tons)

Item	1996	2001	2006	2011	2016
Population (million)					
$ GDP/capita					
GDP (bil 2005$)					
kgs per capita					
kgs per 000$ GDP					
Rubber Consumption					
By Use:					
Tires & Tire Components					
Non-Tire Rubber Products					
By Type:					
Synthetic					
Natural					
net exports					
Rubber Production					
Synthetic					
Natural					

SAMPLE TABLE

COMPANY PROFILES

Hangzhou Zhongce Rubber Company Limited
1 Haichao Road
Wangjiangmenwai
Hangzhou 310008 CHINA
86-571-605-3939
http://www.ch

Annual Sales:
Employment:

Key Products ... uck, hea
and medium-... torcycle
off-road vehic... strial rubber
products

SAMPLE PROFILE

Hangzhou Zhongce Rubber Company Limited (HZ) is a state-owned manufacturer and marketer of radial and bias-ply tires for motor vehicles, industrial and agricultural equipment, bicycles and wheelbarrows. The Company also produces industrial rubber goods. Majority ownership in the Company is held by China Enterprises Limited, which has a 26-percent interest, and Hangzhou Industrial and Commercial Trust Investment Corporation (China), which has a 25-percent stake.

The Company's tires include radial and bias-ply passenger car, light truck, heavy- and medium-duty truck, bus, agricultural equipment, motorcycle, off-road vehicle and industrial equipment products. The Company sells tires through the CHAO YANG, GOODRIDE and WEST LAKE product lines. Among HZ's industrial rubber products are rubber crawler belts and tubes.

In China, HZ produces tires at a plant in Hangzhou. As of 2006, the site had the capacity to manufacture 225,000 tires daily, of which

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"Rubber consumption in Iran will grow 3.0 percent annually to 145,000 metric tons in 2011. The tire segment will increase more rapidly than the non-tire segment over the period, benefitting from solid increases in tire production. Tire rubber demand is expected to increase ..."

--Section VIII, pg. 426

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Other Studies

Nanocomposites

US nanocomposites demand will grow 21% annually through 2011 as nanomaterial and composite prices decline. Higher-priced resins, such as engineering plastics used in applications where cost is not a critical factor, will lead gains. Packaging and motor vehicles will remain two key early markets. This study analyzes the $860 million US nanocomposites industry, with forecasts for 2011, 2016 and 2025 presented by product, market and nanomaterial. It also details market share and profiles major firms.

#2303 .... 02/2008..................... $4500

World Thermoplastic Elastomers

Global demand for thermoplastic elastomers (TPEs) will grow 6.3% annually through 2011, as they continue to replace natural and synthetic rubber, rigid thermoplastics and metal. China will gain market share but the US will remain the top producer of some products such as olefinic-based TPEs. This study analyzes the $10.4 billion world TPE industry, with forecasts for 2011 and 2016 by type, market, world region and for 16 countries. It also evaluates company market share and profiles major producers.

#2284 .... 12/2007..................... $5500

Specialty Silicas

US specialty silica demand will grow 5.4% annually through 2011. The dominant rubber market offers the best prospects, although the fastest gains will occur in the lower volume electrical and electronic equipment market. Fumed silica will lead gains by type based on its use in slurries that polish semiconductor substrates. This study analyzes the $1.3 billion US specialty silica industry, with forecasts for 2011 and 2016 by product and market. It also details company market share and profiles major players.

#2233 .... 08/2007..................... $4400

World Carbon Black

World carbon black demand is forecast to rise 4.2% per year through 2011, bolstered by a healthy global rubber market. Special blacks will be the fastest growing market. The Asia/Pacific region, excluding Japan, will post the strongest gains. This study analyzes the 8.9 million metric ton world carbon black industry, with historical data and forecasts for 2011 and 2016 presented by product, market, world region and for 26 countries. The study also evaluates company market share and profiles leading producers.

#2186 .... 05/2007..................... $5400

Gaskets & Seals

US demand for gaskets and seals will grow 3.6% annually through 2010. Gains will be supported by an improved economic outlook and increasing penetration of more advanced materials. Molded seals and packings, plastic gaskets, expanded graphite gaskets and metallic gaskets will grow the fastest. Aerospace will see the most rapid gains by market. This study analyzes the $7.3 billion US gasket and seal industry for 2010 and 2015 by product and market. It also evaluates market share and profiles major firms.

#2150 .... 02/2007..................... $4300

About The Freedonia Group

The Freedonia Group, Inc., is a leading international industry market research company that provides its clients with information and analysis needed to make informed strategic decisions for their businesses. Studies help clients identify business opportunities, develop strategies, make investment decisions and evaluate opportunities and threats. Freedonia research is designed to deliver unibiased views and reliable outlooks to assist clients in making the right decisions. Freedonia capitalizes on the resources of its proprietary in-house research team of experienced economists, professional analysts, industry researchers and editorial groups. Freedonia covers a diverse group of industries throughout the United States, the emerging China market, and other world markets. Industries analyzed by Freedonia include:

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