
Description: The materials and products made of quartz glass are mainly used in a broad array of fields, including electric light source, semiconductor, optical communication, aerospace, and solar energy. Among them, solar energy constitutes the major consumption area for Chinese quartz glass materials and products, accounting for roughly 35% of the total revenue. That was followed by semiconductor and electric light source, which occupy 23% and 21%, respectively.

In 2001-2012, driven by the growth in China's electronic information industry, electric light source industry, and photovoltaic industry, the revenue from quartz glass material and product industry in China recorded a CAGR of about 24%. In 2013, the revenue from this industry reached RMB5.789 billion, up 8.90%, year on year. In 2014, it continued to grow at an annual growth of approximately 10%, a rate that was slightly lower than that prior to 2011, and this was mainly resulted from a downturn in downstream sectors, especially in the photovoltaic industry.

Quartz glass material and product manufacturers in China mainly include Feilihua, Pacific Quartz, Beijing Kinglass Quartz, Jinzhou New Century Quartz, and Quick Gem Optoelectronic. In terms of product competition, the domestic enterprises focus primarily on the production of low and middle-end quartz glass materials and products, while high-end products are still imported from the countries such as the United States, Germany, and Japan.

As for enterprise competition, the domestic companies like Feilihua, Pacific Quartz, and Quick Gem Optoelectronic S&T concentrate mainly on market segments. Feilihua has a comprehensive product line, covering the materials and products used in optical communication, semiconductor, solar energy, aerospace, etc. In the first three quarters of 2014, Feilihua posted RMB202.8 million in revenue and RMB44.1 million in net income, down 2.54% and 1.59%, respectively, year on year. This mainly arose out of a slump in PV industry and product price reduction brought about by intensified competition in the downstream sectors. Main product of Pacific Quartz involves quartz tube used in electric light source, and the company will extend its existence to other fields in the future; Quick Gem Optoelectronic is absorbed in quartz liners and sleeves for optical fiber perform.

Contents: Introduction
1 Overview of Quartz Glass Material and Product Industry
1.1 Definition and Classification
1.2 Industry Chain
1.3 Applications
1.4 Technological Level and Characteristics
1.4.1 Technological Level
1.4.2 Technological Characteristics
2 Development of Quartz Glass Material and Product Industry in China
2.1 Industry Policies and Standards
2.2 Market Analysis
2.3 Competitive Landscape
2.3.1 Foreign Enterprises' Layout in China
2.3.2 Market Pattern
3 Upstream and Downstream Sectors of Quartz Glass Material and Product Industry in China
3.1 Upstream Sector—High-purity Quartz Sand
3.1.1 Product Overview
3.1.2 Industry Development
3.2 Downstream Consumption Structure
3.3 Electric Light Source
3.3.1 Output
3.3.2 Demand
3.3.3 Demand for Quartz Glass Materials and Products
5 Market Summary and Growth Prediction
5.1 Market Summary
5.2 Growth Prediction

Selected Charts

Quartz Glass Material and Product Industry Chain
Main Applications of Quartz Glass Materials and Products
Regulations and Policies on China Quartz Glass Material and Product Industry
Technical Standards of China Quartz Glass Industry
Revenue from Quartz Glass Materials and Products in China, 2001-2014
Operation of Major Foreign Quartz Glass Material and Product Manufacturers and Their Layout in China
Profile of Major Global Quartz Glass Material and Product Enterprises
Operating Data for Feilihua and Pacific Quartz, 2013
Demand for High-purity Quartz Sand in Various Industrial Fields, 2010-2014
China's Electric Light Source Output and YoY Growth, 2006-2014
Demand Structure of Electric Light Source Globally
Revenue from Quartz Glass Materials and Products for Electric Light Source in China, 2009-2014
Plan for Eliminating Incandescent Light in Major Countries and Regions
Global Semiconductor Sales, 2007-2014
Semiconductor Sales in China, 2002-2013
Revenue from Quartz Glass Materials and Products for Semiconductor in China, 2009-2014
Total Length and YoY Growth of Optical Fiber Cable in China, 2009-2014
China's Optical Fiber Preform Output and YoY Growth, 2007-2014
Global Spacecraft Launchings, 2006-2014
China's Total Defense Budget, 2008-2013
Installed Photovoltaic (PV) Capacity Worldwide (Grid Integration), 2001-2013
Installed Photovoltaic (PV) Capacity in China (Grid Integration), 2007-2014
Revenue from Quartz Glass Materials and Products for Solar Energy in China, 2009-2014
Competitive Situation and Development Trend of Quartz Glass Materials and Products in China's Consumption Fields
Heraeus' Business Layout Worldwide
Heraeus' Major Operating Data, 2009-2013
Heraeus' Revenue Structure by Region in 2009 and 2013
Heraeus' Revenue Structure by Business, 2013
Heraeus' R&D Data, 2013
Heraeus' Quartz Glass Operating Data, 2010-2013
Heraeus' Main Subsidiaries in China
Profile of Heraeus ShinEtsu Quartz (China) Inc.
Qsil's Business Layout in Germany
Qsil's Development History
Qsil's Quartz Glass Products
Tosoh's Main Business Units
Tosoh's Business Layout Worldwide
Tosoh's Development History
Profile of TOSOH Quartz Corporation
Tosoh's Development History of Quartz Glass Business
Tosoh's Quartz Glass Products
Tosoh's Main Financial Indicators, FY 2014-FY 2015
Tosoh's Business Layout in Mainland China
Momentive Performance Materials' Quartz Glass Products
Momentive Performance Materials' Quartz Business Distribution
Main Financial Indicators of Momentive Performance Materials, 2013-2014
Main Financial Indicators of Momentive Performance Materials by Business, 2013-2014
Feilihua's Development History
Applications and Major Clients of Feilihua's Main Product Segments
Feilihua's Capacity and Output of Main Products, 2011-2013
Sales Volume and Average Selling Price of Feilihua's Main Products, 2011-2013
Feilihua’s Revenue and Net Income, 2011-2014
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