

2018-2023 Global Thermoelectric Material Consumption Market Report

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Thermoelectric Material market for 2018-2023. Thermoelectric materials show the thermoelectric effect in a strong or convenient form. The thermoelectric effect refers to phenomena by which either a temperature difference creates an electric potential or an electric potential creates a temperature difference. These phenomena are known more specifically as the Seebeck effect (converting temperature to current), Peltier effect (converting current to temperature), and Thomson effect (conductor heating/cooling). While all materials have a nonzero thermoelectric effect, in most materials it is too small to be useful. However, low-cost materials that have a sufficiently strong thermoelectric effect (and other required properties) could be used in applications including power generation and refrigeration. A commonly used thermoelectric material in such applications is bismuth telluride.

Thermoelectric materials are used in thermoelectric systems for cooling or heating in niche applications, and are being studied as a way to regenerate electricity from waste heat.

In the last several years, global market of Thermoelectric Material developed rapidly, with an average growth rate of 8.37%. In 2017, global revenue of Thermoelectric Material is nearly 33.4 M USD; the actual production is about 287.7 MT.

The global average price of Thermoelectric Material is in the decreasing trend, from 124 USD/MT in 2013 to 116 USD/MT in 2017. With the situation of global economy, prices will be in decreasing trend in the following five years.

The classification of Thermoelectric Material includes Bi-Te, Pb-Te, etc. The proportion of Bi-Te in 2017 is about 86.87%, and the proportion is in increasing trend from 2013 to 2017.

Over the next five years, LPI(LP Information) projects that Thermoelectric Material will register a 6.3% CAGR in terms of revenue, reach US\$ 48 million by 2023, from US\$ 33 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Thermoelectric Material market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Bi-Te

Pb-Te

Other Materials

Segmentation by application:

Automotive

Electronics

Biomedical

Other Industry

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

Ferrotec

Laird

KELK

Thermonamic Electronics

Marlow

RMT

EVERREDtronics

Crystal

Hi-Z

Tellurex

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

RESEARCH OBJECTIVES

To study and analyze the global Thermoelectric Material consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Thermoelectric Material market by identifying its various subsegments.

Focuses on the key global Thermoelectric Material manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Thermoelectric Material with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Thermoelectric Material submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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