

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Thermoelectric Material Market 2018, Forecast to 2023

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Abstracts

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.

SCOPE OF THE REPORT:

This report focuses on the Thermoelectric Material in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. 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.

The worldwide market for Thermoelectric Material is expected to grow at a CAGR of roughly 6.3% over the next five years, will reach 48 million US\$ in 2023, from 33 million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Ferrotec

Laird

KELK

Thermonamic Electronics

Marlow

RMT

EVERREDtronics

Crystal

Hi-Z

Tellurex

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Bi-Te

Pb-Te

Other Materials

Market Segment by Applications, can be divided into

Automotive

Electronics

Biomedical

Other Industry

There are 15 Chapters to deeply display the global Thermoelectric Material market.

Chapter 1, to describe Thermoelectric Material Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Thermoelectric Material, with sales, revenue, and price of Thermoelectric Material, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Thermoelectric Material, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Thermoelectric Material market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Thermoelectric Material sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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