

Magnesium Oxide Insulated Thermocouples Market, Global Outlook and Forecast 2022-2028

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Abstracts

Magnesium Oxide insulated thermocouples, commonly referred to as MgO thermocouples, consist of a thermocouple element inserted into a Magnesium Oxide (MgO) insulator enclosed in a metal sheath/tub probe. A magnesium oxide composition is used as the primary insulator because of its superb insulation quality for protecting against high temperature exposure. MgO has several additional attractive characteristics making it very suitable for thermocouple applications. It is fire resistant, durable, mold and mildew resistant. Any base metal thermocouple element type (J, K, T, E, and N including R, B and S types) can be used with a mineral insulated tube. The junction of the mineral insulated thermocouple can be structured as grounded, ungrounded or exposed junction type. Additionally, the MgO tube can be used with a single or multiple element construction and the insulator is available in a standard or high purity magnesium oxide insulation composition.

This report contains market size and forecasts of Magnesium Oxide Insulated Thermocouples in global, including the following market information:

Global Magnesium Oxide Insulated Thermocouples Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Magnesium Oxide Insulated Thermocouples Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Magnesium Oxide Insulated Thermocouples companies in 2021 (%)

The global Magnesium Oxide Insulated Thermocouples market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast

period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Grounded Type Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Magnesium Oxide Insulated Thermocouples include Cleveland Electric Laboratories, OMEGA, Watlow, Marsh Bellofram (TCP), Durex Industries, Chromalox, Pyromation, Honeywell and JUMO, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Magnesium Oxide Insulated Thermocouples manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Magnesium Oxide Insulated Thermocouples Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Magnesium Oxide Insulated Thermocouples Market Segment Percentages, by Type, 2021 (%)

Grounded Type

Ungrounded Type

Exposed Type

Global Magnesium Oxide Insulated Thermocouples Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Magnesium Oxide Insulated Thermocouples Market Segment Percentages, by Application, 2021 (%)

Food & Beverages

Automotive

Power Generation

Aerospace & Defense

Pulp & Paper

Industrial Processing

Others

Global Magnesium Oxide Insulated Thermocouples Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Magnesium Oxide Insulated Thermocouples Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Magnesium Oxide Insulated Thermocouples revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Magnesium Oxide Insulated Thermocouples revenues share in global market, 2021 (%)

Key companies Magnesium Oxide Insulated Thermocouples sales in global market, 2017-2022 (Estimated), (K Units)

Key companies Magnesium Oxide Insulated Thermocouples sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Cleveland Electric Laboratories

OMEGA

Watlow

Marsh Bellofram (TCP)

Durex Industries

Chromalox

Pyromation

Honeywell

JUMO

ARi Industries

CCPI Inc.

Yamari Industries

C-Temp International

WIKA

Okazaki Manufacturing Company

Convectronics

Furnace Parts LLC

Thermo-Kinetics

CORREGE

Thermo Sensors Corporation

Backer Marathon

GeoCorp Inc.

Peak Sensors Ltd

SensorTec Inc.

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