

Global Sol-Gel Coatings Market Data Survey Report 2025

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Abstracts

Summary

A sol is a dispersion of the solid particles (~ 0.1-1 μ m) in a liquid where only the Brownian motions suspend the particles. A gel is a state where both liquid and solid are dispersed in each other, which presents a solid network containing liquid components. The sol-gel coating process usually consists of 4 steps: (1) The desired colloidal particles once dispersed in a liquid to form a sol.(2) The deposition of sol solution produces the coatings on the substrates by spraying, dipping or spinning.(3) The particles in sol are polymerized through the removal of the stabilizing components and produce a gel in a state of a continuous network.(4) The final heat treatments pyrolyze the remaining organic or inorganic components and form an amorphous or crystalline coating.

The main contents of the report including:

Global market size and forecast

Regional market size, production data and export & import

Key manufacturers (manufacturing sites, capacity and production, product specifications etc.)

Average market price by SUK

Major applications

Key manufacturers are included based on manufacturing sites, capacity and production, product specifications etc.:

BASF SE

3M

Dow

Axalta Coating System

Chase Corporation

Solvay

KISCO

Henkel

MG Chemicals

Electrolube

Fuji Chemical

Nippon Soda

Idemitsu

Mitsubishi Materials

Hong Yi

Major applications
as follows:

Automotive

Construction

Electronics

Consumer Goods

Others

Regional market size, production data and export & import:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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