

Global Solar Control Film Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014-2025

<https://marketpublishers.com/r/GAFA3C16DFDEN.html>

Date: February 2017

Pages: 0

Price: US\$ 3,619.00 (Single User License)

ID: GAFA3C16DFDEN

Abstracts

Solar control film is a thin laminate ergonomically designed for windows, doors, and other transparent building surfaces, which is used to reduce the intensity of light and heat transfer. Glass has low reflectance for room temperature radiation, which causes loss of thermal energy from buildings. On the other hand, glass has high transmission of solar radiation, which increases the energy necessary for cooling the building. Solar control films maintain reversible change in the optical properties of glass, such as optical transmission and absorption. Solar control films reflect ultraviolet, infrared, and visible light that would otherwise directly stream through the transparent surface. On the contrary, during cold weather conditions, these films reduce heat loss by reflecting the heat back. Thus, these films play an important role in reducing energy consumption through thermal insulation and result in effective cooling and reduced costs. They find application in doors and windows of showrooms, restaurants, high-rise condominium, apartments, cars, and other vehicles. The global solar control films market is expected to grow at a CAGR of 10.1% from 2017 to 2025.

The global solar control films market is segmented based on product type, absorber type, application, and geography. Based on product type, the market is divided into clear films, dyed films, vacuum coated, high performance films, and others. Based on absorber type, it is categorized as organic, inorganic, and metallic markets. By application, it is classified into automotive, construction, marine, decorative, and others. The construction segment is bifurcated into commercial and residential segments. Geographic breakdown and deep analysis of each of the aforesaid segments have resulted in the following regions: North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Increasing awareness regarding energy efficient buildings

Rising construction activities in emerging economies

Rise in the demand of automobiles across the globe

Restraints:

Government regulations

House owners prohibit alterations in the appearance of windows and doors

MARKET PLAYERS:

The top players in the global solar control film market include 3M Company, Eastman Chemical Company, Garware Polyester Limited, Guangdong New Vision Film Technology Co., Ltd., Jupiter International, Madico Inc., Polytronix Inc., Saint-Gobain SA, Solar Gard, and Recon Blinds

KEY TAKEAWAYS**MARKET LANDSCAPE****By Product Type**

Clear Films

Dyed Films

Vacuum Coated Films

High Performance Films

Others

By Absorber Type

Organic

Inorganic

Metallic

By Application

Automotive

Construction

Commercial

Residential

Marine

Decorative

Others

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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