

# Global FRP Central Strength Member (CSM) Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global FRP Central Strength Member (CSM) market size was valued at US\$ 277 million in 2025 and is forecast to a readjusted size of US\$ 415 million by 2032 with a CAGR of 5.8% during review period.

FRP Central Strength Member (CSM) for fiber optic cables are non-metallic load-bearing rods made from a resin matrix reinforced with continuous fibers. They mainly include GFRP, reinforced with glass fiber, and KFRP, reinforced with aramid fiber. These rods are used as central or embedded strength members in optical fiber cables to provide tensile strength, bending resistance, electrical insulation, corrosion resistance, and dimensional stability.

**Market Size:** In 2025, global production of FRP Central Strength Member (CSM) reached 35.90 million kilometers, with an average selling price of US\$7.5 per kilometer and total production capacity of approximately 45.00 million kilometers. **Gross Margin:** The industry gross margin is approximately 20%–30%. **Cost Structure:** Direct materials account for approximately 60%–75%, manufacturing overhead accounts for approximately 15%–25%, and labor costs account for approximately 5%–10%. **Industry Chain:** The upstream includes glass fiber yarn, aramid fiber/aramid yarn, epoxy resin/unsaturated resin, curing agents, coating materials, and other raw materials, while the downstream consists of fiber optic cable manufacturers.

The development of the global FRP Central Strength Member (CSM) market is fundamentally driven by the long-term rigid demand for global communication infrastructure construction. Broadband network upgrades and large-scale deployment of new-generation communication technologies led by governments worldwide form

continuous demand transmission across the industrial chain, laying solid fundamental support for market growth. With performance advantages from its material properties, FRP CSM replaces traditional material products in complex application scenarios, with its application scope expanding from civil communication backbone and access networks to private communication networks in multiple industries, continuously broadening the market's long-term growth boundary. The regional layout trend of the global industrial chain, coupled with technological iteration and production capacity support at the raw material end, directly affects the market supply pattern. Stable raw material supply and mature large-scale production capacity are key for market participants to build core competitiveness. Changes in the global trade environment improve regional industrial chain supporting systems, reshaping the market's regional competitive landscape. Meanwhile, the continuous upgrading of technical standards and environmental compliance requirements in the global communication industry drives product technology iteration, and products meeting higher standards and compliance rules become the core direction of market development, further raising the industry's overall competitive threshold.

This report is a detailed and comprehensive analysis for global FRP Central Strength Member (CSM) market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global FRP Central Strength Member (CSM) market size and forecasts, in consumption value (\$ Million), sales quantity (K Km), and average selling prices (US\$/K Meter), 2021-2032

Global FRP Central Strength Member (CSM) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Km), and average selling prices (US\$/K Meter), 2021-2032

Global FRP Central Strength Member (CSM) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Km), and average selling prices (US\$/K Meter), 2021-2032

Global FRP Central Strength Member (CSM) market shares of main players, shipments in revenue (\$ Million), sales quantity (K Km), and ASP (US\$/K Meter), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for FRP Central Strength Member (CSM)

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global FRP Central Strength Member (CSM) market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Coats, Fiber-Line (Avient), IMG LLC, Runaya, Shresht Group, HTL Ltd, Roblon, JRD Fibre Composite, Polycab Telecom, Aksh OptiFibre, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

FRP Central Strength Member (CSM) market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

## Market segment by Type

GFRP Strength Member

KFRP Strength Member

## Market segment by Diameter

Diameter 5mm

## Market segment by Application

Electric Power

Telecommunications

Rail Transit

Others

## Major players covered

Coats

Fiber-Line (Avient)

IMG LLC

Runaya

Shresht Group

HTL Ltd

Roblon

JRD Fibre Composite

Polycab Telecom

Aksh OptiFibre

Jiangsu Hongbo Communication Technology

Nantong Hetai Communication Technology

PZTEST

Nantong Siber Communication

Jiangsu WELL-KNOWN

Changsha Longyuan Optical Communication Special Materials

Jiangsu Kemaite Technology Development

Shanghai Xiaobao FRP

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe FRP Central Strength Member (CSM) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of FRP Central Strength Member (CSM), with price, sales quantity, revenue, and global market share of FRP Central Strength Member (CSM) from 2021 to 2026.

Chapter 3, the FRP Central Strength Member (CSM) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the FRP Central Strength Member (CSM) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and FRP Central Strength Member (CSM) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of FRP Central Strength Member (CSM).

Chapter 14 and 15, to describe FRP Central Strength Member (CSM) sales channel, distributors, customers, research findings and conclusion.

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