Specialty Fibers are engineered for specific demanding applications due to their outstanding properties.

Strength
Environmental protection
Increasing penetration in civil and defense market
Increasingly used in renewable energy applications
Higher production costs currently limit more widespread use
Improves vehicle/aircraft fuel economy and helps reducing carbon dioxide emissions
Highly concentrated industry
Stiffness
Heat and chemical resistance
Lightweight

Specialty Fibers Shaping the Future

A fast-developing business, driven by the increasing attention on:

IHS Markit can help you see which regions of the world are adding new production capacity.
What does regional consumption look like?
What other specialty fibers are used in the filtration market?

Gain knowledge in identifying trends and driving forces influencing the specialty fibers market to forecast and plan for future demand.
Supply producers, plant locations, annual capacities, capacity utilization, and production volumes
Demand market size, end-use applications, consumption trends, and competing materials
Trade import/export data, countries of origin and destination
Manufacturing processes commercial processes and basic chemistry
Price unit sales volumes, factors affecting prices

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20+ types of fibers

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Market Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aramid fibers</td>
<td>$14B</td>
</tr>
<tr>
<td>Carbon fibers</td>
<td>$30B</td>
</tr>
<tr>
<td>Polyimide fibers</td>
<td>$4B</td>
</tr>
</tbody>
</table>

World production of selected specialty organic fibers (Millions USD)

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>World Producers of Aramid Fibers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teijin</td>
<td>20%</td>
</tr>
<tr>
<td>Innovative Fiber Solutions</td>
<td>33%</td>
</tr>
<tr>
<td>DuPont</td>
<td>26%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>World Consumption of Carbon Fibers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teijin</td>
<td>58%</td>
</tr>
<tr>
<td>Innovative Fiber Solutions</td>
<td>41%</td>
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</table>

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Material for bags used in the filtration of flue gases of e.g. municipal waste incinerators, cement plants, steel plants and coal fired boilers.
Polyimide fibers are rather expensive with very few producers worldwide.
In Europe, polyimide fibers market will grow 4-5% annually.

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