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Note:

Market:
Greater China: Mainland China, Taiwan, Hongkong, Macau
Asia Pacific*: Asia Pacific excluding Japan and Greater China
Chances in release applications
Release is a function that silicones have provided for many years in mold-making, adhesive label backing paper, processing, bakeware, etc. A potential huge application market is marine coating. The ban on tin-containing anti-fouling coatings for marine applications has opened up an area that is surely a logical fit for silicone technology due to its non-toxicity.

Rapid growth in UV curing
UV curing is one of the most rapidly growing technologies in the coatings, graphic arts, adhesives and related industries. The system allows a dramatic increase in production line speeds and produces coatings with superior environmental resistance and better gloss. They also have excellent stain and adhesion resistance.

Price Increase for Silicones due to supply shortage and higher costs
The silicone market saw significant price increase in recently, led by global top silicone suppliers. The price increase was triggered by higher raw material cost, higher energy cost, higher personal cost and transportation costs. Price increase is a strategic move to compensate the lost margin. Silicone producers have all announced price increases in the range of 5-25% and the industry anticipates more increases coming later in 2021. The shortage and pricing pressures will continue to persist for the next 6-12 months.

Increasing demand on lighter-weight silicone rubber
Demand for lighter-weight silicone rubber moulded products is growing in various applications, including automotive, aerospace and wearable devices.

Increasing demand on flame-retardant silicones
Silicone elastomers are inherently fire-resistant and nontoxic in case of a fire, and there for provides maximum safety. Due to their low their unique properties,
4.3.4.2 Phenyl silicone resins demand by region

Phenyl silicone resin demand by region in US$ million

<table>
<thead>
<tr>
<th>Region</th>
<th>2021</th>
<th>2023</th>
<th>2025</th>
<th>2027</th>
<th>2030</th>
<th>CAGR</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. Europe</td>
<td>463</td>
<td>514</td>
<td>570</td>
<td>633</td>
<td>738</td>
<td>5.3%</td>
</tr>
<tr>
<td>N. America</td>
<td>424</td>
<td>474</td>
<td>529</td>
<td>590</td>
<td>694</td>
<td>5.6%</td>
</tr>
<tr>
<td>Japan</td>
<td>164</td>
<td>181</td>
<td>200</td>
<td>221</td>
<td>257</td>
<td>5.1%</td>
</tr>
<tr>
<td>Greater China</td>
<td>482</td>
<td>564</td>
<td>660</td>
<td>771</td>
<td>974</td>
<td>8.1%</td>
</tr>
<tr>
<td>Asia Pacific*</td>
<td>212</td>
<td>246</td>
<td>286</td>
<td>332</td>
<td>414</td>
<td>7.7%</td>
</tr>
<tr>
<td>ROW</td>
<td>183</td>
<td>208</td>
<td>237</td>
<td>270</td>
<td>326</td>
<td>6.6%</td>
</tr>
<tr>
<td>Total</td>
<td>1928</td>
<td>2187</td>
<td>2482</td>
<td>2817</td>
<td>3404</td>
<td>6.5%</td>
</tr>
</tbody>
</table>

Phenyl silicone resin demand by region, 2021

- W. Europe: 24.0%
- N. America: 22.0%
- Japan: 8.5%
- Greater China: 25.0%
- Asia Pacific*: 11.0%
- ROW: 9.5%
**Wacker Chemie AG (Germany)**

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Year of foundation: 1914  
Number of Employees: 14,345  
Revenue: 6,2 billion EUR (2021)

**Company profile**

Wacker Chemie AG is a worldwide operating company in the chemical business.

Its principal activities are to supply products in chemical and semiconductor sector. The Group operates through four business devisions:

- Biosolutions,  
- Silicones,  
- Polysilicon,  
- Polymers.

Its silicone business began more than 70 years ago. Started in 1947 as Europe’s first silicone manufacturer, the company becomes the number 2 in the global silicones business.

With two raw materials basis, i.e. silicon metal and methanol, Wacker offers more than 3,000 silicone products classified in seven product groups, including