## Description

Premier FRP Spacers are used to prevent or correct contact shorts and for abrasion resistance. When placed between a coated main and its hanger or support it provides electrical isolation as well as desirable weight distribution and a high degree of abrasion resistance. Without this protection, the cold flow of the coating combined with the thermal expansion and contraction of the pipe would result in holidays at each support assembly.

## Features

- Easy to install - snap on and slide into place
- Hanger disassembly not required on existing pipelines
- Flexible and light weight for easy handling
- Non-corrosive
- No tools, banding, welding or adhesives required
- Offer superior physical properties over plastics and rubber
- Many times the compressive strength of other non-conductive materials
- Will not "cold flow" like PVC, polyethylene, neoprene, etc.
- Will not become brittle in cold temperatures or soften from heat
- Excellent abrasion resistance

## Application

With two hands simply snap the spacer/shield onto the pipe at the desired location and slide into place. Be sure that it is centered on the hanger to allow for any pipeline movement. Observe all necessary safety precautions when working at high elevations.

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PREMIER FRP SPACERS
Fiberglass Spacer/Shield to Protect Pipe From Abrasions

Premier FRP Coatings Ltd.
Premier FRP Spacers

Property Specifications

<table>
<thead>
<tr>
<th>Properties</th>
<th>Test Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>ASTM D695</td>
<td>12,000 - 25,000 psi (83 - 172 MPa)</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>ASTM D790</td>
<td>19,000 psi (131 MPa)</td>
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<tr>
<td>Compressive Strength</td>
<td>ASTM D695</td>
<td>24,000 - 40,000 psi (165 - 276 MPa)</td>
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<tr>
<td>Dielectric Strength</td>
<td>ASTM D149-61</td>
<td>350 - 500 volt/mil</td>
</tr>
<tr>
<td>Volumetric Resistivity</td>
<td>ASTM D257</td>
<td>ohms/cm $10^{13}$ - $10^{15}$</td>
</tr>
<tr>
<td>Effects of Sunlight</td>
<td>N/A</td>
<td>Fading, maintains physical properties</td>
</tr>
<tr>
<td>Distortion Temperature</td>
<td>N/A</td>
<td>220°F - 266°F (122°C - 147°C)</td>
</tr>
<tr>
<td>Wall Thickness</td>
<td>—</td>
<td>1/8 in.* (3.175 mm)</td>
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</tbody>
</table>

*Other thicknesses (3/16" - 4.76mm or 1/4" - 6.35mm) are available on request.

Available Sizes

- 120° of Circumference
- 180° of Circumference
- 240° of Circumference

Lengths can vary depending on application

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