

DENSO FRP SPACERS

Fiberglass Spacer/Shield to Protect Pipe From Abrasions

Description

Denso 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.



Denso FRP Spacers

Property Specifications

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

*Other thicknesses (3/16" - 4.76 mm or 1/4" - 6.35 mm) 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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