



PIPELINE CASING INSULATORS

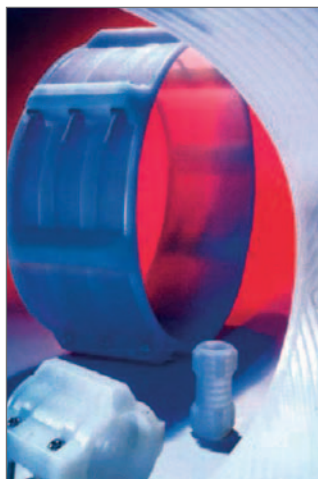


REVISION 1

APPLICATION

Carrier Pipe to Casing Insulation for crossings, suitable for Concrete Pipe, Ductile Iron Pipe, Plastic Pipe, Steel Pipe

PIPELINE CASING INSULATORS DATA



Designed for 19mm to 122cm and larger nominal diameter carrier pipes. Casing isolators shall be PSI PE segmented type, moulded in high density polyethylene plastic.

Each isolator segment shall be a solid, "non-welded" moulded piece designed for accommodating variable pipe O.D.'s by attachment of the required number of segments. Minimum isolator width shall be 76.2mm.

Runner height shall be 24mm, 34mm or 48mm to provide adequate pipe support without the bell or joint contacting the casing during installation. Load carrying capacity per isolator shall be 340kg. The maximum load bearing capacity per isolator is based on 1.42 skid height in a cylindrical casing.

STEEL PIPELINE INSULATORS SPECIFICATIONS

Band

14 gauge (2.0mm) steel. Two piece through 91.4cm carrier size with deep embossed flanges and corners cut at angles greater than 90-degrees.

Liner (Optional)

Polyvinyl Chloride

Thickness	2.29mm min
Hardness	Durometer "A" 85-90
Dielectric Strength	
3.18mm thick - Surge Test	60,000 V. Min
Step-by Step Test	58,000 V. Min
Water Absorption	1% max



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Risers

10 gauge steel (3mm) MIG welded to band.

Runners

17.8cm Long x 5.1cm Wide

Tensile Strength (ASTM D638) 17,600 psi

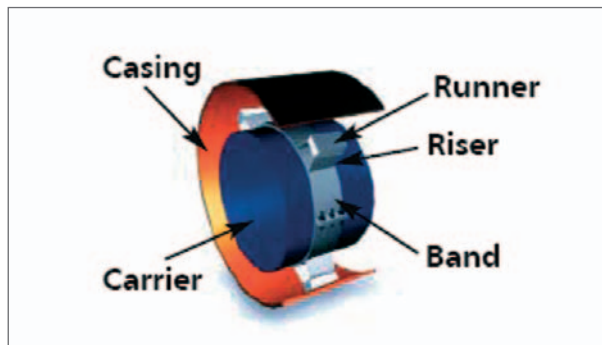
Flex Strength (ASTM D790) 25,300 psi

Compression Strength

(10% def.)(ASTM D695) 18,000 psi

Deflection Temperature

@ 264 psi(ASTM D648) 205 °C.



MODEL PE PLASTIC PIPELINE INSULATORS SPECIFICATION

Dielectric Strength (ASTM D149) :	550 V/mil
Hardness Shore D (ASTM D1706) :	70
Compressive Strength (ASTM D693)	3,200 psi
Tensile Strength (ASTM D638, D651)	3,100 - 5,500 psi
Water Absorption (ASTM D570)	0.1%
Temperature	82°C.
Impact Strength (ASTM D256)	105 - 2.0 ft. lb/in. notch

Band Width and Loading

76.2mm wide band	340kg/isolator
101.6mm wide band	907.2kg/isolator
127mm wide band	1,134kg/isolator
158.8mm wide band	1,134kg/isolator
Colour	Natural
Bolts and nuts	Cadmium Plated Steel