

# IPOTEC

## *Innovation in Polymer Technology*

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<b>MATERIAL DATA:</b>	<b>SILICONE RUBBER C-I-P PIPE REPAIR HOSE</b>
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C-I-P pipe repair hose is manufactured from a polysiloxane which has been cross linked with an organic peroxide. It has excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation and weathering in general.

The unreinforced elastomer is suitable for continuous use at temperatures between -60F (-50C) and 400F (204C) and for intermittent use from -80F (-62C) to 450F (232C). The high temperature functionality of the reinforced hose is limited by the polyester fabric, which is recommended for use only up to 300F (150C)

### Properties of unreinforced elastomer

<b>Property</b>	<b>Typical Value</b>	<b>Test Method</b>
Durometer (ShA)	65	ASTM D2240
Tensile Strength (psi)	1230	ASTM D412
Modulus @ 50%	245	ASTM D412
Modulus @ 100%	375	ASTM D412
Tear Strength (ppi)	103	ASTM D624 B
Elongation (%)	330	ASTM D412
Specific Gravity	1.22	
Compression Set 22 hrs / 175°C (347°F)	22%	ASTM D395 B

Unless specifically stated data relates to general-purpose materials. Some properties of special grades may differ. Information provided in this data sheet is indicative and is given in good faith but without warranty, express or implied. Whilst test results are deemed to be reliable, performance of these products is dependent on conditions of use and it is the responsibility of the user to determine suitability for a particular application.