



rubber materials

rubber expansion joints

rubber types

Flexible rubber joints can be manufactured from a range of elastomer materials including:

- Chloro Butyl
- EPDM
- Hypalon*
- Natural
- Neoprene
- Nitrile (Buna-N)

The joints may consist entirely of the one type of rubber or a combination with one type of rubber as the inner ply and a different rubber as the outer cover.

The selection depends upon a variety of factors including temperature and the medium to be conveyed. A copy of a Rubber Compatibility Table is available from Radcoflex upon request.

* Hypalon and Neoprene are trademarks of DuPont Dow Elastomers

technical characteristics

Elastomer Common Name	Chlorobutyl	EPDM / EPT	Hypalon	Neoprene	Nitrile / Buna-N	Gum / Natural
Chemical Name	Chloro - Isobutylene Isoprene	Ethylene Propylene Polymer	Chlor - Sulfonated Polyethylene	Poly - Chloroprene	Butadiene Acro-Nitrile	Polyisoprene
ANSI/ASTM D1418-77	CIIR	EPDM	CSM	CR	NBR	NR/IR
Hardness Range: Duro A	40-75	30-90	40-95	30-95	30-100	30-90
Specific Gravity of Base	0.92	0.86	1.12	1.23	0.98	0.93
Temperature °C						
- min service	-25	-30	-40	-25	-35	-30
- max service	120	150	135	105	115	85

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