















Rubber Expansion Joints

The next tables describe rubber materials using for different application from a wide variety of different blends depending on the operating conditions (composition of the medium and the operating temperature, etc.)

Rubber expansion joints of type RC S1 - RC GH				
Material	Main application	Temperature	Color	
Neopren	sea water, water cooling system	-30/+100°C	grey	
EPDM	hot water, heating and cooling systems	-30/+110°C	red	
EPDM HT	hot water and steam, heating and cooling systems	140°C	red/yellow	
EPDM drink	potable water, drinking water	-30/+110°C	white/red	
Nitril	resistant to oil and gas	-40/+99°C	yellow	
Hypalon	strong acids, except nitric acid or sulfuric acid	-25/+120°C	green	
Butyl HT	suitable for alkaline waste, chemical and special hydraulic oils, heat resistance	-30/+130°C	white/blue	
Natural	abrasive media	-30/+80°C	white/green	

Rubber expansion joints of type RC 10 – RC 51L					
Material		Main Application	Temperature	Color	
Internal	External				
Chloropren	Chloropren	sea water water cooling system	-10°C/+70°C (short term 100°C)	Black (Point)	
EPDM	EPDM	acidic Water hot Water wastewater water cooling system	-10°C/+100°C (short term 110°C) from DN600 max. 90°C	Red (Point)	
EPDMT	EPDMT	heating systems acidic water wastewater water cooling system	-10°C/+110°C (Type approval acc. DIN 4809)	Red (Circle)	
Nitrile	Nitrile	gas oil fuel	-10°C/+100°C	Yellow (Point)	
Hypalon	Hypalon	chemicals	-10°C/+100°C	Green (Point)	
Natural	Natural	on demand	-10°C/+70°C	without	
PTFE	Chloropren	universal	-10°C/+120°C	Brown (Point)	
PTFE	PTFE	universal	see data sheet	without (Bellows convolution are white)	