

# Rubber Information

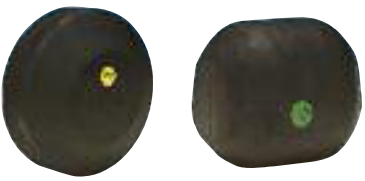
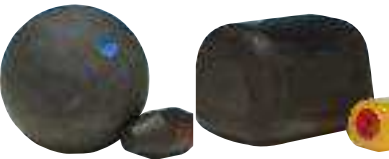





The rubber blocks and elements used in Renold Hi-Tec Couplings are key elements in the coupling design. Strict quality control is applied in the manufacture, and frequent testing is part of the production process.

## Rubber-in-Compression

These designs use non-bonded components, which allows for many synthetic elastomers to be employed.

These elastomers offer considerable advantages over others for specific applications, giving Renold Hi-Tec Couplings a distinctive lead in application engineering in specialised areas.

## Rubber Compound

	Natural	Styrene-Butadiene	Neoprene	Nitrile	Styrene-Butadiene	Silicone
Identification label	Red (F, NM)	Green (SM)	Yellow (CM)	White (AM)	Blue (S)	Blue (Si)
Resistance to Compression Set	Good	Good	Fair	Good	Fair	Good
Resistance to Flexing	Excellent	Good	Good	Good	Good	Good
Resistance to Cutting	Excellent	Good	Good	Good	Fair	Fair
Resistance to Abrasion	Excellent	Good	Good	Good	Good	Fair
Resistance to Oxidation	Fair	Fair	Very Good	Good	Fair	Excellent
Resistance to Oil & Gasoline	Poor	Poor	Good	Good	Poor	Good
Resistance to Acids	Good	Good	Fair	Fair	Good	Good
Resistance to Water Swelling	Good	Good	Good	Good	Good	Good
Service Temp. Maximum; Continuous	80°C	100°C	100°C	100°C	100°C	200°C
Service Temperature Minimum	-50°C	-40°C	-30°C	-40°C	-40°C	-50°C
			Flame Proof		High Damping	
<b>Rubber Block Types</b>						
<p><b>DCB</b>      <b>PM</b></p>  <p><b>SPECIAL</b>      <b>WB</b></p> 	<p><b>NM</b></p> 	<p><b>SM</b></p> 	<p><b>CM</b></p> 	<p><b>AM</b></p> 	<p><b>S</b></p> 	<p><b>Si</b></p> 