



POWER TRANSMISSION COUPLINGS

Freudenberg Rubber Components for Flexible Couplings are found in many industries around the world, from Steel Making to Marine Propulsion through Power Generation.

Designed to ensure they can operate under compression, reduce shock loads and vibration by energy absorption and with safety being of paramount importance Freudenberg can also offer Fire Resistance rubber grades.

Freudenberg Rubber Components use standard materials such as SBR and Natural Rubbers, however with the years of experience and knowledge, gained in industry and applications along with the new demands from our customers, Freudenberg has developed HNBRs and Silicon rubbers to meet these exacting demands.

VALUES FOR THE CUSTOMER

- Material choice to maximise application performance such as SBR, Natural rubber, HNBR and Silicon.
- Extensive internal knowledge of industries and applications, including evaluation and qualification.
- Flexible manufacturing capabilities to accommodate sizes up to 600mm Ø or 484 mm SQ.
- In house tensometer testing to qualify material compression capabilities over a range of load and stress parameters.
- Stainless, structural steel and thermoplastic inserts available as moulded-in reinforcements.
- Age testing over a wide range of temperatures.

MATERIAL PROPERTIES

Nomenclature	Polymer	Hardness Range	Main Chemical Material Properties
AM	NBR	50 - 90	Heat and oil resistant
CM	CR	50 - 70	Age and chemical resistant, fire retardant
EP	EPDM	50 - 70	Age resistant in heat, water and steam
F	NR	50 - 70	Low dampening, heat resistant
S	SBR	50 - 80	Low hysteresis, good grip
Si	Si	70	High temperature resistance
SM	SBR	50 - 80	Low hysteresis, good grip
NM	NR	45 - 70	Resistant to weathering and very good dampening characteristics

FEATURES & BENEFITS

Confidence in Performance, with our extensive ageing testing and field experience you can confidently install products manufactured from Freudenberg into your power transmission applications.

Compression testing of Product provides assurance of shock, vibration absorption and dampening.

Flexibility of Manufacturing provides a comprehensive range of size and shapes, all rubber or reinforcement material moulded-in parts based on your specific application.

Testing and Certification, Freudenberg tests all materials under strict laboratory conditions.



CONTACT US

Our experienced and dedicated staff are on hand to provide process support from initial concept through qualification and delivery. For further details, or if you have current or future project requirements, please contact our team at:

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