

SITES AROUND THE WORLD



ABOUT US

Leading Manufacturer of Precision Sealing Systems, Hutchinson designs and manufactures standard and custom-made sealing solutions, such as O-Rings, X-Rings, and Bonded Seals.

From the compounds formulation and production to the conception and production of the parts in small or large series, we do everything in our plants.

Thanks to our One Plant Concept, we ensure that all our processes are consistent in every country we manufacture in, so we can guarantee the same level of quality while producing close to our customers.



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ABOUT HUTCHINSON



€4.4 Md
turnover



25
countries



5% invested
each year in
research &
innovation



100 sites
around
the world



> 38 000
employees



HUTCHINSON®

We make it *possible*

PRECISION SEALING SYSTEMS
ENERGIES



EVERYWHERE WHERE ENERGY FLOWS



From the production to the distribution of electrical energy, we work to ensure that energy installations benefit from safe and durable sealing solutions. Our products meet the highest requirements of the sector, where applications are subject to heavy stress.

By developing compounds that comply with the new g³ gas with a lower GWP (Global Warming Potential), Hutchinson is helping manufacturers to move towards a more environmentally friendly technology.

PRODUCTION

Our sealing solutions are subject to high stresses (fluid, temperature, pressure) in many applications. They resist to heavy conditions, in environments with high thermal amplitude, exposed to extreme cold, onshore and offshore.

Technical advantages

- > Chemical resistance and resistance to corrosive agents
- > Very good mechanical resistance

Electrical energy sources

Biomass
Wind power
Solar energy
Marine energy
Gas
Geothermal
Hydraulic
Hydrogen
Nuclear (excluding PMUC, non-radioactive)

TRANSFORMATION

The developed compounds comply with the most strict international industrial requirements for these environments. They provide sealing in medium and high voltage applications.

Technical advantages

- > Very good behavior to dielectric gas g³ (Butyl)
- > Range of EPDM compounds with unmatched low and high temperature performance
- > Good dielectric properties
- > Very large size range

Equipments

Thermoelectric converters
Turbines and thermal motors
Transformers
Circuit breakers
Bushing

STORAGE

The performance of our compounds guarantees an optimal sealing of direct storage equipment.

Technical advantages

- > Long lasting elasticity (very low CS)
- > Good electrochemical compatibility
- > Good resistance to low and high temperatures

Materials

Super capacitors
Lithium technologies

TRANSPORT

The performance of our rubbers guarantees the sealing of electrical power transmission and distribution sub-assemblies.

Technical advantages

- > Extreme cold resistance
- > Long-lasting elasticity

Equipments

Disconnectors
Transformers
Cable joints

SEALING SOLUTIONS



O-RINGS

- > Wide range of standard dimensions in stock
- > Dimensional standards (AS568, BS1806, Bague R...)
- > Available features: cleanliness (white room), surface treatments, traceability (micro-engraving)



X-RINGS

- Development according to your specifications
- > Compounds and solutions optimizing assembly, friction etc...
- > Characterization & soaking tests in our laboratories
- > Finite elements calculations



BONDED SEALS

- > Bi-material seals (metal/rubber) used for screw, bolt, connector or flange assembly.

ELASTOMERS COMPOUNDS FOR THE ENERGY MARKET

We offer a range of approved compounds for sealing solutions that may come in contact with energies:

Family	Compounds	Hardness (Sh.A)	Colour	Min T°C	Max cont. T°C	Max peak T°C	CS	CS Conditions	Characteristics
EPDM	7EP1881	70	●	-50	140	175	10%	24h 150°C	If dielectric requirement+ low T°C resistant
EPDM	EP7010	72	●	-50	140	175	12%	24h 150°C	SF6 Gas resistant
EPDM	EP851	80	●	-50	140	175	12%	24h 150°C	SF6 Gas resistant
FKM	7DF2067	72	●	-25	200	250	20%	72h 200°C	Oil resistant + color
FKM	7DF2116	74	●	-35	200	250	20%	72h 200°C	Oil resistant + color + low T°C resistant
FKM	DF801	79	●	-25	200	250	18%	72h 200°C	Oil resistant + high T°C resistant
FKM	DF901	91	●	-25	200	250	20%	72h 200°C	Oil resistant + high T°C resistant
FVMQ	7SF1744	67	●	-60	175	200	12%	72h 150°C	Oil resistant + low T°C resistant
HNBR	7DT1877	70	●	-30	125	165	22%	72h 150°C	Ozone resistant
IIR	7BU2359	68	●	-45	125	175	10%	24h 125°C	G ³ gas resistant
VMQ	SL1000	72	●	-50	200	225	15%	72h 150°C	Low T°C resistant
VMQ	SL1002	60	●	-50	200	225	20%	72h 150°C	Low T°C resistant
NBR	PB701	68	●	-30	100	120	12%	24h 100°C	Very low CS
NBR	PC851	78	●	-30	100	120	15%	24h 100°C	Very low CS
NBR	PD853	79	●	-40	90	120	15%	24h 100°C	Low T°C resistant

