Elastomer

Abbreviation	Chemical Name	Trade Name	Temperature	Resistant to
EPDM	Ethylene propylene diene rubber	Vistalon® Buna®	-45°C to 140°C	Hot water, air, steam, diluted acids, very good resistance to ozone
NBR	Nitrile butadiene rubber	Perbunan®	-30°C to 90°C	Butane, propane, methane, ethane, emulsions, petrol, heating oil, mineral oils, mineral oil products, hydraulic fluids
FPM FKM	Fluorocarbon rubber	Viton®	-25°C to 200°C	Ozone, oxygen, natural gas, fuels, mineral oils, hydraulic oil, organic solvents
FFPM	Perfluor rubber	Kalrez®	-8°C to 315°C	Acids, alkaline solutions, hydrocarbons, fuels and lubricants, kerosene, hydraulic fluids

Fluoric plastics

Abbreviation	Chemical Name	Trade Name	Temperature	Resistant to
PTFE	Polytetrafluorethylene	Teflon® Hostaflon®	-200°C to 250°C	almost all organic and inorganic chemicals
FEP	Fluorinated ethylene propylene	Teflon® Neoflon®	-200°C to 200°C	similar to PTFE
PFA	Perfluoroalkoxy	Teflon® Neoflon®	-200°C to 260°C	similar to PTFE
PVDF	Polyvinylidene fluoride	SOLEF® Hylar®	-60°C to 150°C	good chemical resistance

The „resistant to“ information as well as the temperatures are guide values that do not release the customer from the obligation to ensure the suitability and proper use by own examinations.
It has to be taken into consideration that elastomers have a limited life, e.g. due to ageing and the influence of temperatures. If necessary, inspections have to be carried out and replacement intervals prescribed.

RITAG Ritterhuder Armaturen GmbH & Co.
Armaturenwerk KG
Industriestraße 7-9
D-27711 Osterholz-Scharmbeck

Phone +49 (0) 47 91-92 09-0
Fax +49 (0) 47 91-92 09-85
eMail: contact@ritag.com
Internet: www.ritag.com