



Gasket qualities

Elastomer	VMQ (MVQ) silicone rubber	NBR nitrile rubber (Perbunan)	EPDM ethylene propylene dien monomer rubber	FKM fluororubber (Viton)	HNBR hydrogenated acrylonitrile butadiene rubber (Therban)
colour	red	blue	black	black	black
allowance	FDA	FDA	FDA / USP class VI	FDA / USP class VI	FDA
operating temperature:					
water	-30 – 100°C	-20 – 100°C	-40 – 130°C	-15 – 140°	-25 – 130°C
steam (max.)	short-time 120°C	short-time 130°C	short-time 140°C	140°C	short-time 140°C
acids/lyes	dependg. on concentr.	dependg. on concentr.	dependg. on concentr.	dependg. on concentr.	dependg. on concentr.
examples:					
caustic soda solution 5%	B	B	A	B	A
nitric acid 5%	B	B	A	A	A
phosphoric acid 2%	A	A	A	A	A
milk <5% fat	A	A	A	A	A
beer, cold wort	A	A	A	A	A
hot wort	C	C	B	C	A
distilled water			A		A
in general:					
inorganic salts	B	B	A	A	A
diluted lyes	B	B	A	B	A
diluted inorganic acids	B	B	A	A	B
concentrated lyes	C	C	A	C	B
concentr. inorganic acids	C	C	B	A	C
alcohol	B	C	A	A	B
organic acids	C	C	B	C	C
ester	B	B	A	C	B
ether	B	B	C	C	C
hydrocarbon	C	B	C	B	C
fuels	C	B	C	A	B
mineral oil/fat	B	B	C	A	A
animal oil/fat	B	A	C	A	A
vegetable oil/fat	B	A	C	A	A
ozone	A	C	A	A	A

A: well resistant – B: limited resistant – C: not resistant