

Rubber qualities

Type -->	Natural rubber (NR) *	Chloroprene CR (Neoprene)	Nitrile rubber (NBR)	EPDM rubber	Silicone (MVQ/SI)	Polyurethane (PUR)
Properties						
Temperature range	-40--80 °C	-30--120 °C	-40--140 °C	-40--150 °C	-70--180 °C	-30--80 °C
Short-term max. temperature	100 °C	150 °C	160 °C	180 °C	225 °C	100 °C
Tensile strength	25 N/mm ²	25 N/mm ²	25 N/mm ²	20 N/mm ²	8 N/mm ²	30 N/mm ²
Tensile elongation %	800 %	450 %	500 %	450 %	250 %	500 %
Elongation/tensile strength	5	3	3	3	1	5
Wear resistance	3	3	4	3	2	5
Resistant to tearing	4	4	4	3	1	5
Bending ability	3	4	2	4	1	.
Flexibility	5	3	5	3	3	3
Damping
UV-resistance	1	4	1	5	5	3
Resistant to oxidation	2	3	2	5	4	3
Resistant to ozone	2	4	2	5	5	3
Climate impact	3	4	2	5	5	5
Lye*	3	4	3	5	X	X
Petrol*	X	2	5	X	X	4
Benzene*	X	1	X	X	X	X
Oil*	X	3	5	1	3	4
Acid*	Conditional	3	Conditional	4	Conditional	Conditional
Water*	4	4	3	4	3	4

*The condition is that they are immersed in the liquid; if the impact is short-lived nothing will happen to the rubber

X	Not suitable
.	Not tested
1	Bad
2	Moderate
3	Good
4	Very good
5	Excellent