

Pressure vessel gasket selection

Application / tolerance	Pressure vessel gasket seal selection properties				
	Nitrile (Buna N)	EPDM	Silicone	Viton	Teflon
Working temp. range °C	40-120	60-150	70-230	40-250	20-250
Max. temp. °C	120	150	230	250	260
Elongation	2	2	1	5	3
Elasticity	2	2	4	4	5
Abrasive resistance	2	4	5	4	1
Impact resistance	2	2	5	4	1
Air tightness	2	4	5	2	1
Oxidation resistance	1	2	1	4	2
Ozone resistance	5	1	1	1	2
Resistance to elements	4	1	1	1	1
Oil resistance	2	4	4	1	1
Animal/veg oil proof	1	2	3	1	1
Ethanol tolerance	2	5	2	2	1
Alkali resistance	2	2	5	3	1
Acid resistance	2	2	4	2	1
Solvent resistance	1	5	5	1	1
Oxidising solvent resistance	5	1	4	5	1
Vapour resistance	2	1	2	2	1
Acetone	5	2	5	1	1
Performance table					
1 = best					
2 = excellent					
3 = good					
4 = moderate					
5 = poor					

