

1. There should be no bubbles, pits and other defects whose surface area is larger than 3mm² or depth deeper than 1.5mm. Otherwise, it will influence the sealing property of the gasket;
2. There should be no obvious harsh smelling gas of rubber;
3. The physical properties and applicable temperatures should be as in Table 1;
4. Smooth surface, no rough touching;
5. Each batch of gaskets should have quality certification, gaskets for food and pharmacy should have the sanitary standard inspection report;
6. Same grade gaskets should be the consistency of the material;
7. Same grade gaskets should be the consistency of vulcanization conditions;
8. Gasket thickness should not have a negative deviation. The positive deviation value should be as in Table 2.

Item		Neoprene Rubber (CR)	Nitrile Rubber (NBR)	EPDM	Fluorocarbon Rubber (FKM)
Properties	Tensile strength (MPa)	≥8.00	≥9.00	≥9.00	≥10.00
	Elongation strength (%)	≥300	≥250	≥250	≥200
	Hardness (Shore A)	75±2	75±2	80±5	80±5
	Compression (%)	≤20	≤20	≤25	≤25
Temperatures (°C)		40-100	20-120	50-150	20-200

Table 1 Temperatures of Gasket Materials

Item	Single plate heat transfer area a, m ²	
	≤0.7	> 0.7
Thickness deviation	+0.20 0	+0.25 0

Table 2 Thickness Deviation of Gaskets

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