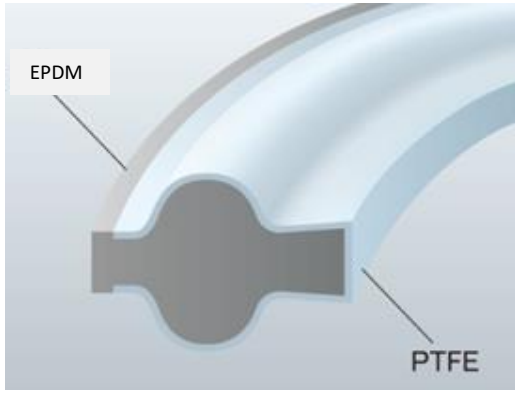


PTFE covered gasket



Characteristics

- Excellent chemical resistance and low-flavored due to applied PTFE lining
- High cost performance
- Long-term sealing performance due to rubber elasticity
- Heat resistance ~200°C (rubber material dependent)

Rubber Material

- EPDM, FKM, etc.

Performance comparison

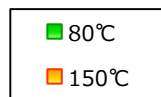
	Covered product	PTFE	FFKM	General rubber
Low-flavored	◎	◎	○	×
Sealing	○	△	○	○
Chemical resistance	◎	◎	○	△
Cost	○	○	×	◎

Legend:

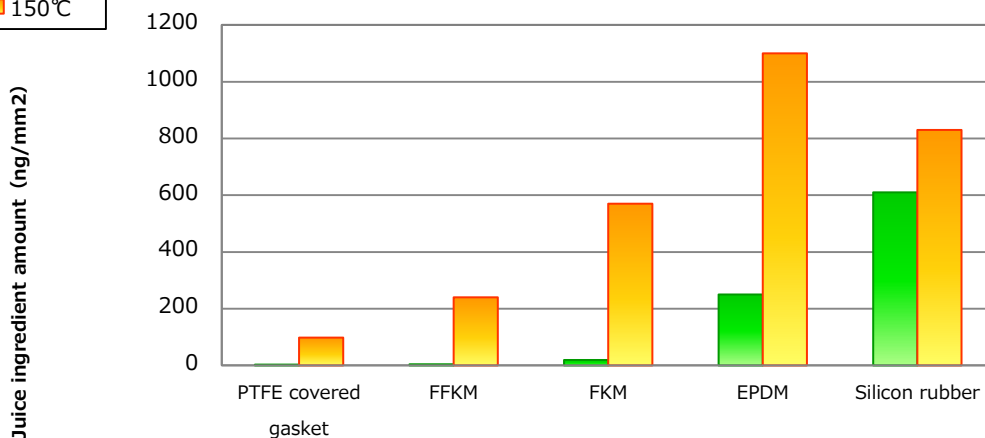
- ◎ Perfect
- Good
- △ Acceptable
- × No go

Odour and flavour transfer


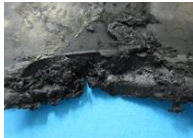

Low odour and flavour transfer due to PTFE being on contact surface. Preferred in food production line.



Test conditions: 80 ° C x 15 minutes 150 ° C x 15 minutes
Outgas generation measured by P & T-GC / MS, juice components and limonene fixed quantity



Problem solving with PTFE covered gasket

		Problem		Solution
PTFE		Difficult to tighten	→	Easy to tighten
Rubber		No chemical resistance	→	Excellent chemical resistance
FFKM		High cost	→	Cost reduction

Conformity laws and regulations

Compliance with local regulations

Laws and Regulations	項目
Food Sanitation Act	3rd D2 Synthetic resin equipment or containers and packaging 3rd D3 Rubber equipment (excluding baby bottles) or containers and packaging
FDA	§177.1550 Perfluorocarbon resins §177.2600 Rubber articles intended for repeated use
USP (US Pharmacopoeia)	<87> Biological Reactivity Tests, In Vitro <88> Biological Reactivity Tests, In Vivo (USP Class VI)

Notes

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