



Guaflon® Pink-Seal

High quality gasket material composed of modified PTFE reinforced with a high-strength thermally resistant silica filler. The special manufacturing process results in excellent mechanical and sealing properties, which are isotropic in the gasket plane. Guaflon® Pink-Seal is designed to provide superior torque retention and tightness effectiveness, even at high temperature service and complies with DIN technical delivery conditions for PTFE-based gasket sheets DIN 28091-3 TF-M-O.

Main characteristics and applications

For high mechanical loads, where superior recovery and compression strength are requested. Tailored for use with aggressive media in the chemical, petro-chemical, pharmaceutical, paper and food industry; in presence of hazardous media, and whenever fugitive emissions control is required, even when thermal cycles and shocks occur. Suitable for sealing of all chemicals, with the exclusion of molten alkali metals, fluorine gas, hydrogen fluoride, and materials that may generate these.

Technical data (values relate to 2 mm thickness)

Density	ASTM D792	2.2	(g/cm ³)
Compressibility	ASTM F36	7÷15	(%)
Recovery	ASTM F36	55	(%)
Tensile Strength	DIN 52910	12	(N/mm ²)
Stress Resistance	DIN 52913		
- 16 h, 50 MPa, 175 °C		17	(N/mm ²)
Specific Leak Rate	DIN 3535-6	0.01	(mg/s·m)
Compression Modulus	DIN 28090-2		
- At room temperature: ϵ_{KSW}		8	(%)
- At elevated temperature: $\epsilon_{WSW/300^{\circ}C}$		15	(%)
Percentage Creep Relaxation	DIN 28090-2		
- At room temperature: ϵ_{KRW}		3	(%)
- At elevated temperature: $\epsilon_{WRW/300^{\circ}C}$		4	(%)
Recommended Service Limits			
	Max short term temperature	260	(°C)
	Max continuous temperature	260	(°C)
	Max operating pressure	85	(bar)

*Service limits are given for proper seating conditions and gasket design. Max. temperature and pressure limits do not apply simultaneously. Lower limits must be considered when sealing aggressive media, or when thermal or mechanical disturbances are relevant.



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Approvals

DIN 28091 TF-M-O

Standard supply data

Colour	Pink
Sheet size	1200x1200 / 1500x1500 mm
Thickness	1 / 1.5 / 2 / 3 mm
Tolerances	± 5% on length and width ± 10% on thickness > 1 mm ± 0.1 mm on thickness ≤ 1mm

Other dimensions and thicknesses available upon request.

Data here reported, corresponding to laboratory and field tests typical results, are meant as non-binding guideline for product selection. Therefore, no guarantee claim can be inferred from these data.