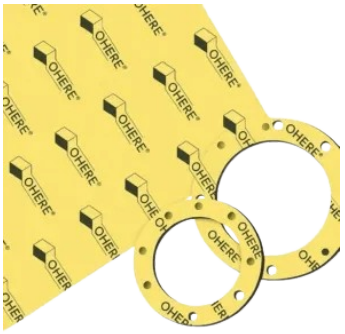
Coseal 2707

Basis

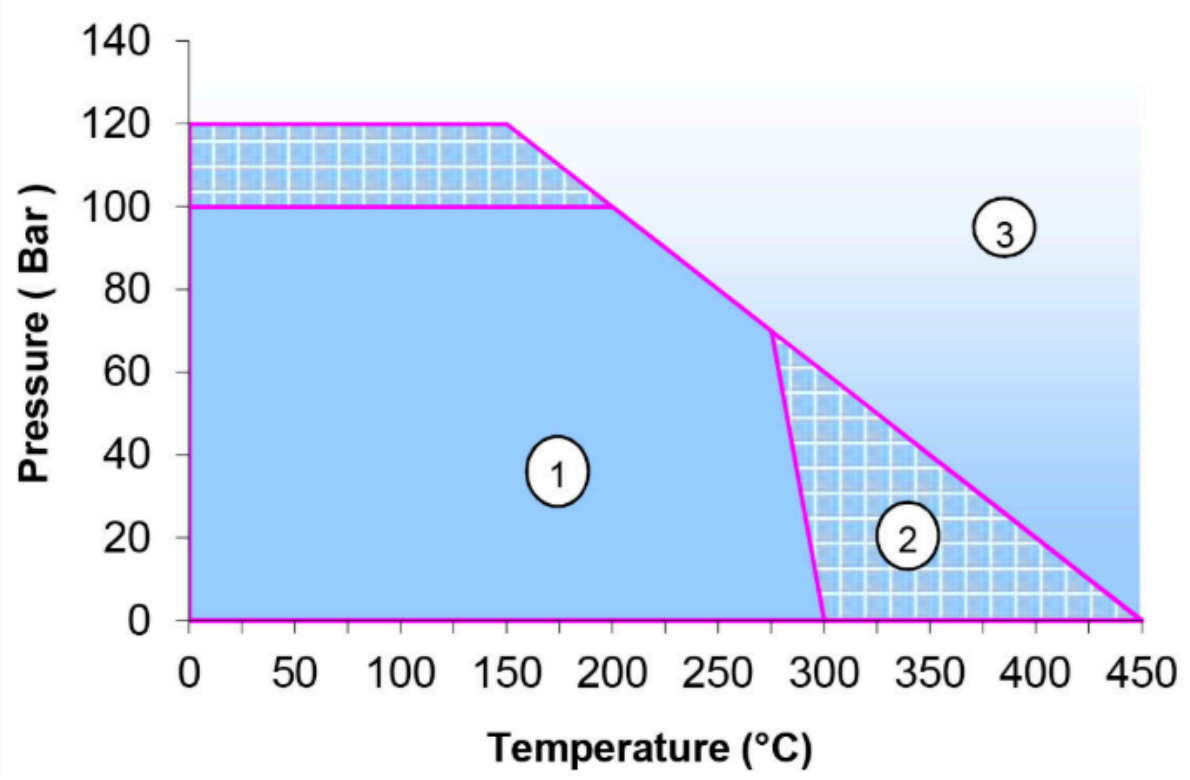
Advanced composite gasket material formulated with aramid fiber, glass fiber, and inorganic fillers, bonded with a high-performance NBR binder system.



Application

Engineered for high-stress applications involving:

- Petroleum-based fluids (oils, fuels, lubricants, hydrocarbons)
- Industrial process media (alcohols, cooling liquids)
- Steam and water systems
- Compressed gas applications



Area of Application

1. **Suitable:** Suitable when chemical compatibility is verified

2. **Conditionally Suitable:** Consultation recommended for marginal applications

3. **Not Recommended**: Installation prohibited without comprehensive technical assessment

Parameter	Standard	Coseal 2707	Units
Max. Peak Temperature		450	°C
Max Operating Temperature		295	°C
Max. Operating Pressure		120	bar
Density	ASTM F 1315	1.70-1.9	g/cm_3
Compressibility	ASTM F 36 J	5-15.0	%
Recovery	ASTM F 36 J	≥ 45.0	%
Tensile Strength	ASTM F 152	≥ 10.0	N/mm_2
Gas Permeability	BS 7531	≤ 1.0	ml/min.
ASTM oil no.3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Fuel B (5h, 23°C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Water (5h, 100°C)	ASTM F 146		
Thickness Increase		≤ 10.0	%
Weight Increase		≤ 10.0	%
Stress Relaxation (16h X 175°C 2.00mm)	DIN 52913	≥ 25.0	MPA
Flexibility	BS 7531	No Sign of Cracks	
Colour		Yellow	