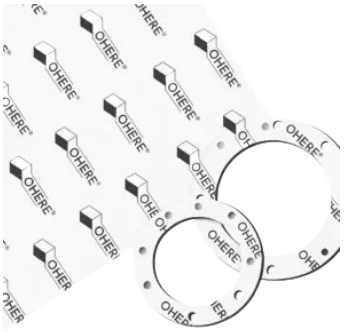
Coseal 2710

Basis

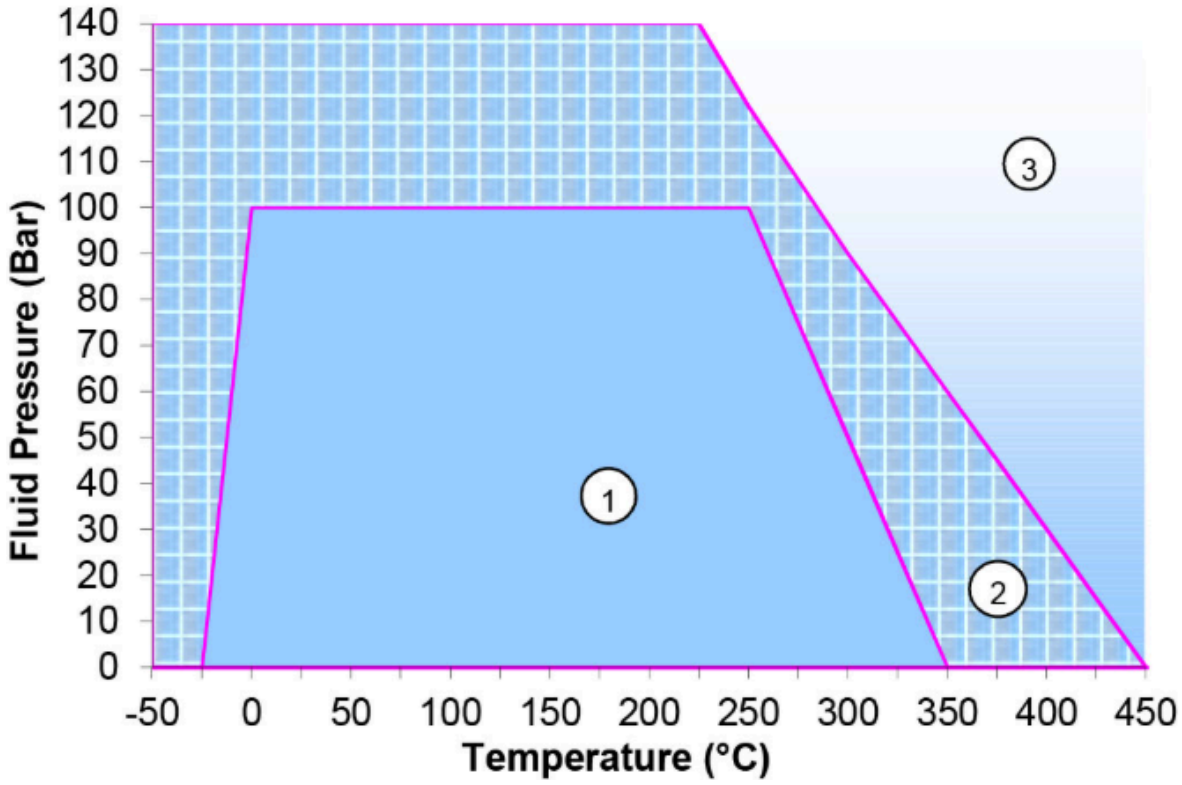


High-performance composite gasket material engineered with aramid fiber, glass fiber, and rockwool, bonded with a high-viscosity NBR binder for exceptional thermal stability and sealing performance.

Application

Designed for extreme temperature applications ranging from sub-zero to high-temperature environments, offering:

- **Superior Fluid Resistance**: Excellent performance with steam, water, oils, and hydrocarbons
- **Gas Sealing:** Exceptionally low permeability for reliable gas containment
- **Thermal Versatility:** Maintains integrity across wide temperature fluctuations



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 2710	Units
Max. Peak Temperature		450	°C
Max Operating Temperature		345	°C
Max. Operating Pressure		140	bar
Density	ASTM F 1315	1.70-1.9	g/cm3
Compressibility	ASTM F 36 J	5-15.0	%
Recovery	ASTM F 36 J	≥ 40.0	%
Tensile Strength	ASTM F 152	≥ 10.0	N/mm2
Gas Permeability	BS 7531	≤ 0.5	ml/min.
ASTM oil no.3 (5h, 150°C)	ASTM F 146		
Thickness Increase		≤ 5.0	%
Weight Increase		≤ 10.0	%
Fuel B (5h, 23°C)	ASTM F 146		
Thickness Increase		≤ 5.0	%
Weight Increase		≤ 13.0	%
Water (5h, 100°C)	ASTM F 146		
Thickness Increase		≤ 5.0	%
Weight Increase		≤ 5.0	%
Stress Relaxation (16h X 175°C 2.00mm)	DIN 52913	≥ 28.0	MPA
Colour		White	