



# Enviropak 7800



Superb performance in high temperature steam and a wide range of fluids.

Temperatures to: 900°F (482°C)

Pressures to: 1900 psi (131 Bar)

## Maximum Operating Conditions

Temperature (T)	900°F (482°F)
Pressure (P)	1,900 psi (131 Bar)
PxT (1/16" & below)	600,000

These limits decrease significantly as thickness increases

### THIS DATA IS FOR GUIDANCE ONLY

The ability of a gasket material to effect a seal depends not only on the quality of the material, but also on the thickness of the material, the design of the flanges, the amount of pressure exerted on the gasket by the bolts and how the gasket is assembled in the flanges and tightened.

## Robco Hot Compression Test

Thickness Decreases @ 73°F (23°C)	8%
Thickness Decreases @ 572°F (300°C)	8%

This test was developed to assess the behavior of gaskets when subjected to surface stress in cold and hot conditions.

In this test, the load is maintained as the gasket relaxes and the temperature increases. This subjects the gaskets to more severe conditions than the ASTM F38B test.

Measurements are made of the decrease in thickness under a load of 3,625 psi at a temperature of 73°F (23°C) and the additional decrease in thickness caused by heating to 572°F (300°C) under constant load.

Compressibility ASTM F36A	7-17%	Thickness Increase ASTM F146 after immersion in:	
Recovery ASTM F36A	50% minimum		
Tensile Strength ASTM F152 across grain	1,500 psi minimum	ASTM Oil 1, 5 hrs. @ 300°F/148°C	0-5%
Change in Tensile Strength ASTM F152 after immersion in ASTM Oil 3,5 hrs. @ 300°F (148°C)	-25%	ASTM Oil 3, 5 hrs. @ 300°F/148°C	0-5%
		ASTM Fuel A, 5 hrs. @ 73°F/23°C	0-5%
Weight Increase ASTM F146 after immersion in Fuel B, 5 hrs. @ 73°F (23°C)	14% maximum	ASTM Fuel B, 5 hrs. @ 73°F/23°C	0-7%
		Leachable Chloride Content (modified F.S.A. method)	200 ppm maximum
Standard Sheet Thickness (inches)	1/64", 1/32", 1/16" 3/32", 1/8", 1/4"	Density	1.4 g/cc
Color	Black	ASTM F104 line call-out	F712122B2E22M5
Sheet Sizes	60"x60", 60"x120"	Creep Relaxation: ASTM F38B	20-25%
		Sealability: ASTM F37A	0.20 ml/hr.