

# HTX-900

EnCore® Combined Materials

## Description

HTX-900 is a composite gasket structure consisting of graphite-coated, high-temperature facing material chemically and mechanically fused to an expanded steel core. It is intended for exhaust manifold, header, collector, and EGR system gaskets, as well as other industrial sealing applications that require high strength, thermal integrity, and anti-stick performance. It is available in 0.043, 0.048, 0.060, and 0.093 inch gages in a sheet size of 20 by 63 inches (usable area).

## Specification Properties

Property	Value	Method
Density, g/cc (lb/cu.ft)	1.9 (119) (min.)	ASTM F 1315
Compressibility, % (at 34.5MPa)	7 - 17	ASTM F 36
Recovery, %	40 (min.)	ASTM F 36
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Thickness, %	5 (max.)	
Change in Tensile, %	30 (max.)	
Fluid Resistance, Fuel B		ASTM F 146
Change in Thickness, %	7 (max.)	
Change in Weight, %	15 (max.)	
Fluid Resistance, IRM901		ASTM F 146
Change in Thickness, %	6 (max.)	
Fluid Resistance, Fuel A		ASTM F 146
Change in Thickness, %	5 (max.)	

## Remarks and Related Documents

Typical values determined by the test methods required for ASTM F-104, Type 7 materials.

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