

ACCURATE FELT & GASKET MFG. COMPANY

3239 S. 51st Avenue
Cicero, IL 60804
Phone: 708-780-9000 Fax: 708-780-9009
www.afgco.com afg@afgco.com

MATERIAL SPECIFICATION

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 gauges 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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The information on this data sheet is based on laboratory test data we believe to be accurate, relevant and reliable. Please look upon these values as guides rather than absolutes. Since actual service conditions for a given application may vary substantially from standard laboratory conditions, specific recommendations or warranties relative to a specific end use cannot be made. The buyer is urged to conduct its own investigations and qualification tests to determine suitability for its intended application. Accurate Felt & Gasket Mfg. Co. shall not be liable for any damages arising out of the use of any of its guide specifications.

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