



# H.S. WHITE CORPORATION

Marine and Industrial Specialties

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## TANG SPECIFICATION SHEET

Reference Application Guide for Stock Calipers

Metal Reinforced Graphite Gasket Material

**COMMON APPLICATIONS**      Cylinder Head Gaskets, Intake Manifold Gaskets, Exhaust Manifold Gaskets, Small Engine Gaskets, High Temperature/High Pressure Fluid Applications, Furnace Gaskets

**TEMPERATURE RATING**      816°C/1500°F

Graphite sheets made from high purity minseal 2010+B industrial grade flexible graphite mechanically bonded.

I-Flex uses .088" ETP (electrolytic tin plate) steel core. This core is then laminated on one side (I-Flex-1) or two sites (I-Flex-2) with an expanded graphite facing. The graphite covers are mechanically bonded without the use of any adhesives. This type of mechanical bonding insures product integrity at high temperatures. The gasket material is permanently resilient and naturally lubricious which requires no release agent and minimum clearing effect. This material can be used in a broad range of applications and flange conditions.

<u>PHYSICAL TEST PROPERTIES</u>	<u>TYPICAL VALUES</u>	<u>TEST METHOD</u>
Compression@34.5 MPa (5000psi)	25-35%	ASTM F-36
Recovery @34.5 MPa (5000psi) min.	15%	ASTM F-36
Creep Relaxation @ 20.7 MPA 22hrs. @100°C (212°F)	4%	ASTM F-495
Air Aging 70 hrs.@ 540°C (1000°F) (Thickness Loss)	3.5%	ASTM D-573
(Weight Loss)	22.0%	

### FLUID IMMERSIONS

Fluid Resistance in ASTM #3 Oil		
Thickness Change % max.	6%	
Weight Change %	20%	ASTM F-146
Fluid Resistance in ASTM Fuel B		
Thickness Change % max.	5%	
Weight Change %	15%	ASTM F-146

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