



H.S. WHITE CORPORATION

Marine and Industrial Specialties

1350 S. Dixie Highway East • Pompano Beach, FL 33060
Pompano (954) 785-6760 Miami (305) 940-2700 W.P.B. (561) 832-4144
Fax (954) 785-8247 Website: www.HSWHITE.com

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

I-Flex uses .088" ETP (electrolytic tin plate) steel core. This core is then laminated on one side (I-Flex-1) or two sides (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

This information gives typical properties and is not to be taken as a warranty or any representation for which we assume legal responsibility, nor as permission or as recommendation practice any patented invention without a license. It is offered solely for your consideration, investigation, and verification.