

# Tempflex 640

## Standard/Nonasbestos Cylinder Head Facing Material

### Description

Tempflex 640 is a high performance cylinder head facing material. It can be combined on perforated steel core or laminated to solid steel core. It has excellent resistance to high temperature creep relaxation and is tested to 300°C (572°F).

### Typical Properties

Property	Value	Method
Density, g/cc(lb/cu.ft)	1.15 - 1.25	ASTM F 1315
Compressibility, % (at 34.5MPa)	20 - 30	ASTM F 36
Recovery, %	20 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)	3.5 (500) (min.)	ASTM F 152
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Thickness, %	10 (max.)	
Change in Weight, %	40 (max.)	
Fluid Resistance, Fuel B		ASTM F 146
Change in Thickness, %	10 (max.)	
Change in Weight, %	35 (max.)	
Fluid Resistance, Glycol/Water 50/50		ASTM F 146
Change in Thickness, %	15 (max.)	
Fluid Resistance, Distilled Water		ASTM F 146
Change in Weight, %	45 (max.)	
Weight Loss on Ignition, % (at 815°C)	17 - 23	ASTM F 495

### Remarks and Related Documents

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

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