



Material profile:

- Laminated expanded graphite sheet, out of 5Star®100, and tanged carbon steel.
- 5STAR® 300F is Asbestos Free.

Typical application:

- used widely within industrial applications, especially in the automotive industry for engine cylinder head, exhaust system, etc..
- Seal for oil, fuel, solvent.

Property	unit	Value		
		1.2	1.5	2.0
Thickness	mm	1.2	1.5	2.0
Tolerance of thickness	mm	±0.10	±0.10	±0.10
Density (graphite layer)	g/cm ³	1.30	1.30	1.30.
Tolerance of density	%	±5	±5	±5
Compressibility	g/cm ³	16-25	16-25	20-30
Recovery	%	20-30	20-30	15-25
Temperature :				
Max.temp. (inert atmosphere)	°C	800	800	800
Continual work temp.	°C	300	300	300
Fluid resistant :				
•ASTM 3# oil 150°C, 5h				
weight increase	%	<20	<20	<25
Thickness increase	%	≤6	≤6	≤6
•LLC50% 100°C,22h				
weight increase	%	<20	<25	<30
Thickness increase	%	≤5	≤6	≤6
•ASTM Fuel B RT-5hr				
weight increase	%	<25	<25	<30
Thickness increase	%	≤6	≤6	≤6
Sulfur content	ppm	≤1000	≤1000	≤1000
Leachable Chloride content	ppm	≤35	≤35	≤35
Ash content	%	≥95	≥95	≥95

Note: This information is based on our present state of knowledge, It should therefore not be constructed as guaranteeing specific properties of the products described or their suitability for a particular application,

Specification in Inventory:

Size in mm: 500 x 1000,1000 x 1000, 1000 x 1500,

Thickness in mm: 1.0, 1.2, 1.5 1.6 & 2.0