

ST-2058

Description:

ST-2058 is an asbestos-free gasket material. It is composed of aramide fibers and high resistant nitrile butadiene rubber(NBR). Material has good tensile strength, low gas leakage, excellent stress relaxation and thermal resistance. Both sides have anti-stick treatment.

Typical application:

Chemical plants, mechanical engineering, food stuffs processing, ship building, energy generators. Flanges, apparatus, containers, radiators, compressors, pump, plate heat exchangers.

General data:

Aramide fibres, NBR

Capability:

Nominal thickness 2.0mm

Property	Standard	Unity	Value
Density		gr/cm ³	1.7-1.9
Compressibility	ASTM F 36 J	%	7-9
Recovery	ASTM F 36 J	%	55
Tensile strength	DIN 52910	N/mm ²	11
Stress resistance			
16h, 300°C, 50 N/mm ²	DIN 52913	N/mm ²	22
16h, 175°C, 50 N/mm ²	DIN 52913	N/mm ²	28
Specific leak rate	DIN 3535/6	mg/s×m	0.05
Thickness increase			
IRM 903 ,5h, 150°C	ASTM F 146	%	5
Fuel B 5h 23°C	ASTM F 146	%	5
Continuous temperature		°C	250
Pressure		bar	100

Supply data:

Size(mm): 1500 x 1500, 1500 x3000, 1500 x4500

Thickness(mm): 0.3, 0.4, 0.5, 0.8, 1.0, 1.5, 2.0, 3.0, 4.0, 5.0

Tolerance : According to DIN28091-1

Surface treatment: with graphite, PTFE and so on is available on request

Temperature and pressure represent maximum values and should not be used simultaneously. They are given only as guidance, since they depend not only on the type of gasket material but also on the assembly conditions. Very important factors are: thickness of material, nature of service medium, type of flange and surface stress, etc. Steam application requires special consideration.