



# KLINGERferroflex SP-AF/II

***Klinger SP/AF-II is an aramid fibre based gasket material with NBR binder with a pegged steel insert. It has excellent oil and fuel resistance combined with good stress relaxation and high temperature resistance. Typical applications include carburettor and diesel engines e.g. exhaust manifold, oil pan and heat shield.***

The Klinger group has been recognised as the market leader in gaskets and sealing for over a century. Our research and development laboratories have investigated over 250 different fibre forms in the search for asbestos free alternatives. The search has resulted in a range of high quality and high performance asbestos free materials that have been proven in service

#### **General Properties**

- Excellent resistance to high temperatures
- Resistant to oils, fuels, hydrocarbons etc.

#### **Typical Specifications**

- Maximum Temperature 900°C
- Compressibility ASTM F36A 16%
- Stress relaxation DIN 52913 50MPa
- Minimum tensile strength (cross grain) 45MPa
- Thickness increase, Oil 3:5hr/150°C <8%
- Thickness increase, Fuel B:5hr/20°C <7%
- Thickness increase, Water-glycol <8%
- Density 2.3g/cm<sup>3</sup>

#### **Availability**

- 500mm wide rolls
- Thickness (mm): 1.5mm



aerospace  
sector  
certification  
scheme

BS EN 9100:2003, ISO 9001:2008  
Certificate no: FM 10571

**Head Office**  
KLINGER Ltd  
Wharfedale Road  
Euroway Trading Estate  
Bradford BD4 6SG

Tel: 01274 688 222  
Fax: 01274 688 549

Klinger Ltd. Grangemouth  
Tel: 01324 472 231  
Fax: 01324 482 111

Klinger Ltd. Aberdeen  
Tel: 01224 772 962  
Fax: 01224 772 953

Klinger Ltd. Southampton  
Tel: 023 8061 1855  
Fax: 023 8061 0360

Klinger Ltd. Runcorn  
Tel: 01928 577 030  
Fax: 01928 575 223

Klinger Ltd. Middlesbrough  
Tel: 01642 220 289  
Fax: 01642 220 290