

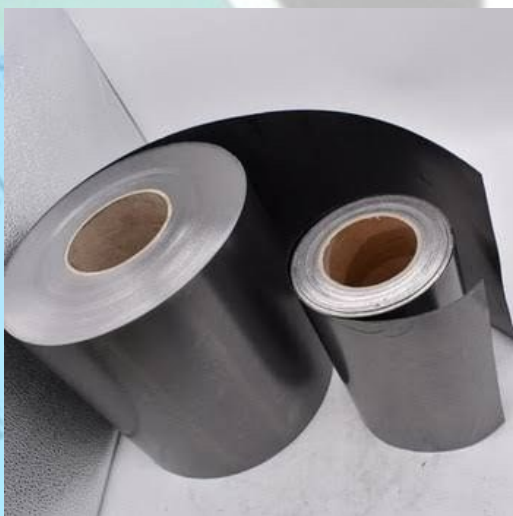
# PURE GRAPHITE

## Flexible Graphite Products

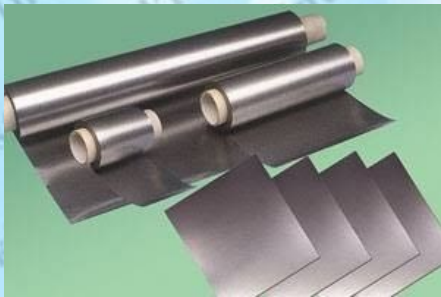
Flexible graphite – also known as expanded graphite or exfoliated graphite – is produced from purified natural graphite flakes. In the manufacturing process the flakes are mixed with a highly oxidizing acid to produce graphite intercalation compounds. These are expanded by a sudden application of high temperature. The resulting product called expanded graphite is mechanically compressed to shaped products, mainly to graphite foil. Flexible graphite begins as a lower-density material, which is then compressed and densified in a contained area to the point at which the graphite component attains the proper installed density. When this happens, the fluid is contained, the graphite is properly compressed. This makes flexible graphite an ideal sealing material for high-temperature applications. As its name indicates, flexible graphite is flexible and conformable, heat and fire resistant, chemical resistant, compressible, low creep relaxation, thermal conductive, and electrical conductive

Typical Applications of Flexible Graphite include: Heat and chemical resistant gasket, seal, liner; sheet lubricant; thermal conductive seal; heat barrier; EMI (electromagnetic interference) shielding and gasketing, heat dissipation, stress sensing, vibration damping, spark plasma sintering (SPS), and other thermal, electronic or electrochemical applications. Excel Industrial Packings offers a broad range of flexible graphite products for different applications.

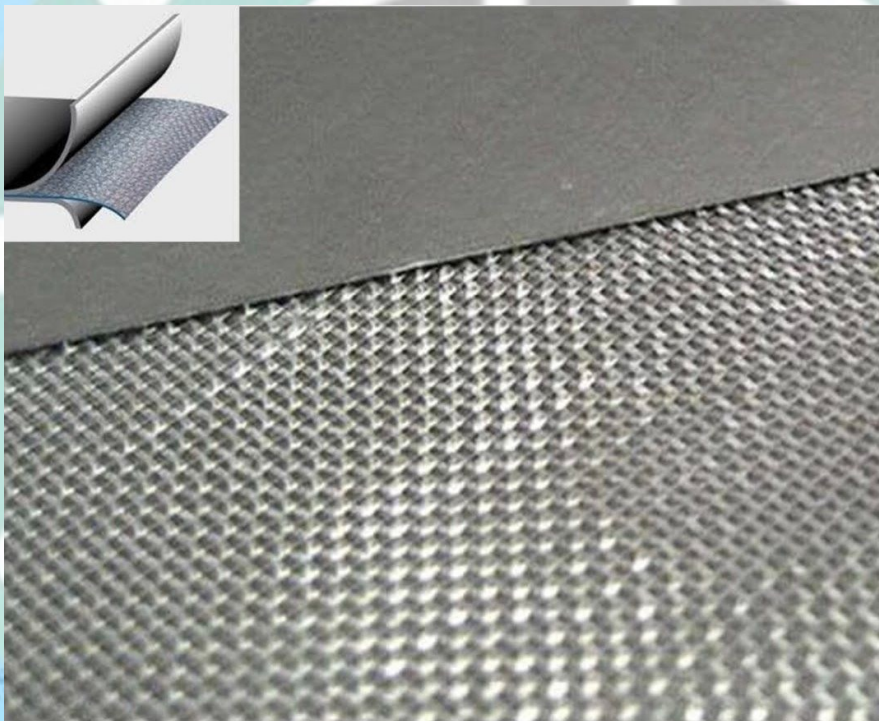
- **Graphite Roll**



- **Graphite Sheet**



- **Graphite Metal Reinforced Sheet**



- **Graphite Adhesive and Non Adhesive Tape**



- **Graphite Rings and Gasket**





- **Self Sealing Ring**





- **Graphite yarn**





- **Graphite Braided Packing (Rope) & Rings**



**If you can't find what you are looking for, or require a bespoke product, please do not hesitate to contact us.**

**We will manufacture as per the specifications, drawing or sample provided by you .**

#### **Customer Service**

**We are happy to answer any questions that you might have about this product. Please contact us for more information.**

#### **Delivery / Shipping**

**Orders are processed as quickly as possible. Please allow a few days for delivery of your order.**

**International deliveries can be arranged for you. Additional shipping costs can be quoted on request.**

#### **Returns Policy**

**While every effort will be made to fulfil your order correctly, if for any reason you do not receive the correct goods then please contact us and we will be happy to correct your orders.**

