

## FMP 509 Aramid + Graphite

### Typical Applications: Valves, Mixers, Agitators

#### Service Media & conditions :

Used for abrasive media & slurry applications for Valves, Mixers, agitators, rotary and reciprocating applications.



### Supply Data:

Size Range : 6 x 6 to 40 x 40 mm

Form : Square

### Technical Data:

Material Number :	FMP 509
Type of Fibre :	ARAMID FIBER & Graphited PTFE
Carrier Fibre :	-
Type of Core :	-
Metal Insertion/Jacketing	-
Application Limit	-100°C to 280°C
Decomposition :	280°C
Operating Pressure (Max.) Rotating	20 Bar
Operating Pressure (Max.) Oscillating	80 Bar
Max Operating Pressure :	150 Bar
Temperature of Carrier Fibre :	
pH	2 - 12
Density (g/cm <sup>3</sup> )	1.5
Colour	Yellow & Black










### Physical Properties:



Size (mm)	6	8	10	12	16	18	20	25	30	40	
Weight (g/m)	54	96	150	216	384	486	600	938	1350	2400	

### Product versions:

Aramid edges and Middle of Graphite structure.  
Graphite PTFE and Aramid Zebra structure also available.

## Chemical Resistance Chart

1	Water	
2	Steam	
3	Natural Solutions	
4	Dilute Acids	
5	Mild Acids	
6	Concentrated Acids	
7	Dilute Alkalies	
8	Strong Alkalies	
9	Inert Gases	
10	Acidic Vapours/ Gases	
11	Solvents	
12	Organic Compounds	
13	Mineral Oil	
14	Synthetic Oil	
15	Abrasive Media	
16	Bitumen	
17	Lacques	

Legends :  Suitable     Conditional Suitable     Not Suitable

All data quoted above are based on years of experience in production & operation of sealing elements, in view of the wide variety of possible installation & operating conditions one can not draw final conclusion in all application cases regarding the behaviour in gasket joint. The data may not therefore, be used to support any warranty claims.

Should you have any doubts about the choice of gasket material, please refer to us. Our engineering cell will be happy to assist you.

**Ferolite Jointings Ltd**

C-178, Site No.1 B.S. Road Industrial Area, Ghaziabad-201001 (U.P.)  
Website [www.ferolite.com](http://www.ferolite.com)