



High Temperature - HTG Gasket Product Range

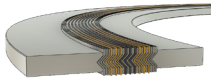
Description:

3S HTG product range is designed for higher operating temperatures where the limits of standard graphite are exceeded. The HTG sealing element consists of a combination of mica and APX2[®] graphite. The mica acts as an oxidation shield for the graphite.

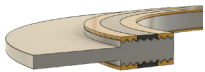
Style:



XRG (eXtra Recovery Gasket) is available with our HTG sealing layers, the inner section of the sealing element is mica, the middle section is APX2[®] Graphite, the outer section again is mica. The mica inner and outer sealing rings act as an oxidation shield for the APX2[®]. Enabling this design to operate up to a maximum temperature of 1500 Deg F (815 Deg C).



Style S, SI, GS, GSI are available with our HTG sealing layers, the inner section of the sealing element is mica, the middle section is APX2[®] Graphite and the outer section again is mica. The mica inner and outer sealing rings act as an oxidation shield for the APX2[®]. Enabling this design to operate up to a maximum temperature of 1500 Deg F (815 Deg C).



KP-1-2 & 3 are all available with our HTG sealing layers, the inner section of the sealing element is mica, the middle section is APX2[®] Graphite, the outer section again is mica. The mica inner and outer sealing rings act as an oxidation shield for the APX2[®]. Enabling this design to operate up to a maximum temperature of 1500 Deg F (815 Deg C).



CMG-HTG offers good recovery when thermal contraction and expansion in the flange assembly occurs. CMG-HTG can also be used at higher temperatures and in oxidizing environments because of the Mica sealing layers on the inner and outer diameters.



Maximum Temperature (Filler)	
Mica	1800°F (982°C)
Mica/APX2 [®] /Mica (HTG)	Max 1500°F (815°C)
Ceramic	2000°F (1093°C)
Maximum Temperature (Alloys)	
304 / 304L SS	1400°F (760°C)
316 SS	1400°F (760°C)
316L SS	1400°F (760°C)
321 SS	1500°F (815°C)
347 SS	1500°F (815°C)
Monel	1500°F (815°C)
Inconel 600	2000°F (1093°C)
Carbon Steel	900°F (482°C)

More alloy materials available on request