

SEM BELGIUM

Thermally Conductive Interface Pads

E-gra 400 series is made from high-quality Natural Flake Graphite through special processes, expanded under high temperature.

Property:

It possesses characteristics of high and low temperature resistance, corrosion resistance, good resilience, excellent lubricate etc.

Application Include:

It can be used to manufacture Graphite Braided Packing, Spiral Wound Gasket, Metal Reinforced Graphite Plate etc.

	E-gra 406	E-gra 410	E-gra 420
Carbon Content (%)	99	99	99
Chloride Content (PPM)	35	35	35
Tensile Strength (Mpa)	5.0	5.0	5.0
Density (g/cm ³)	1.0 ± 0.05	1.0 ± 0.05	1.0 ± 0.05
Compressibility (%)	40 (when density is 1.0g/cm ³)	40 (when density is 1.0g/cm ³)	40 (when density is 1.0g/cm ³)
Resilient Rate (%)	20 (when density is 1.0g/cm ³)	20 (when density is 1.0g/cm ³)	20 (when density is 1.0g/cm ³)
Loss of Ignition (%)	7 (under 450°C, burnt 3 hours) 18 (under 600°C, burnt 3 hours)	7 (under 450°C, burnt 3 hours) 18 (under 600°C, burnt 3 hours)	7 (under 450°C, burnt 3 hours) 18 (under 600°C, burnt 3 hours)
Creep Relaxation Rate (%)	22	22	22
Weight Increase Rate (%)	20 (in Lubricant) 20 (in Diesel oil) 20 (in Gasoline)	20 (in Lubricant) 20 (in Diesel oil) 20 (in Gasoline)	20 (in Lubricant) 20 (in Diesel oil) 20 (in Gasoline)
Seal Ability	0.05%/ml/hr	0.05%/ml/hr	0.05%/ml/hr
Thickness	0.15mm ± 0.03mm	0.25mm ± 0.03mm	0.5mm ± 0.03mm
Thermal Resistance (°C·in ² /W)	0.03	0.06	0.11

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility.

Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein.

SEM BELGIUM bvba

Slijpesteenweg 28 • 8432 MIDDLEKERKE Leffinge (België) • Tel. +32 59 56 02 70 • Fax. +32 59 56 02 71 • BTW BE 0874 084 915 • RPR Oostende,