



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

**Property:**

It possesses characteristics of high and low temperature and corrosion resistance. It has good resilience and excellent lubrication properties.

**Applications:**

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

	OP-406	OP-410	OP-420
Carbon Content (%)	99	99	99
Chloride Content (ppm)	35	35	35
Tensile Strength (mpa)	5	5	5
Density (g/m <sup>3</sup> )	1.0±0.05	1.0±0.05	1.0±0.05
Compressibility (%)	40 (Density = 1.0g/cm <sup>3</sup> )	40 (Density = 1.0g/cm <sup>3</sup> )	40 (Density = 1.0g/cm <sup>3</sup> )
Resilient Rate (%)	20 (Density = 1.0g/cm <sup>3</sup> )	20 (Density = 1.0g/cm <sup>3</sup> )	20 (Density = 1.0g/cm <sup>3</sup> )
Loss of Ignition (%)	7(<450°C, burnt 3 hours)	7(<450°C, burnt 3 hours)	7(<450°C, burnt 3 hours)
	18(<600°C, burnt 3 hours)	18(<600°C, burnt 3 hours)	18(<600°C, burnt 3 hours)
Creep Relaxation Rate (%)	22	22	22
Weight Increase Rate (%)	20 (in Lubricant)	20 (in Lubricant)	20 (in Lubricant)
	20 (in Diesel oil)	20 (in Diesel oil)	20 (in Diesel oil)
	20 (Gasoline)	20(Gasoline)	20 (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 <sup>2</sup> /W)	0.03	0.06	0.11

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