

SCHLEGEL

electronic materials

THERMALLY CONDUCTIVE GAP PAD



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

Applications:

	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/m³)	1.0±0.05	1.0±0.05	1.0±0.05
Compressibility (%)	40 (Density = 1.0g/cm ³)	40 (Density = 1.0g/cm ³)	40 (Density = 1.0g/cm ³)
Resilient Rate (%)	20 (Density = 1.0g/cm ³)	20 (Density = 1.0g/cm ³)	20 (Density = 1.0g/cm³)
Loss of Ignition (%)	7(<450℃, burnt 3 hours)	7(<450℃, burnt 3 hours)	7(<450℃, burnt 3 hours)
	18(<600℃, burnt 3 hours)	18(<600℃, burnt 3 hours)	18(<600℃, 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-in²/W)	0.03	0.06	0.11

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