PLANIGRAPH™ LG FILLER

Composition

LG Filler the graphite tape is manufactured without binder. hese properties make flexible graphite foil an indispensable material in industries that demand high performance in extreme environments.

Characteristics

Pure graphite C > 99.0 %
Ash content > 1.0 %

Applications

LG Filler is applied for the production of spiralwound and camprofile gaskets. Flexible graphite foil is widely utilized in various industries due to its unique combination of properties such as high thermal conductivity, chemical resistance, and flexibility. Flexible graphite foil is commonly used in gaskets, seals, and packing for applications involving high temperatures and aggressive chemicals, particularly in industries like oil and gas, petrochemical, and power generation. Due to its ability to withstand extreme temperatures, flexible graphite foil is used in high-temperature furnaces, heat shields, and insulation components.

Tech Data

Planigraph™ LG Filler		
Graphite density	gr/cm3	1.0
Carbon Content	%	> 99.0
Ash Content	%	< 1.0
Compressibility	%	40 - 50
Recovery	%	> 7
Gas Permeability DIN 3535	cm3/min	< 0.6
Relaxation stress DIN 52913	N/mm2	> 45
Temperature max with steam	°C	650
Temperature max with weak oxidants	°C	450
Temperature min cryo	°C	-196
Maximum assembly load RT	N/mm2	40

- Never use the product to the maximum temperature and pressure associated. Consult the manufacturer for further information
- With weakly oxidizing agents and hot air the temperature must be limited to 450 ° C
- With steam and non-oxidizing fluids the temperature must be limited to 650 ° C
- Graphite and carbon cannot be used with oxidizing fluids

Planigraph™ LG Filler

Its excellent thermal conductivity makes it ideal for use in heat dissipation components, such as thermal interface materials (TIMs) in electronics, to enhance heat transfer and improve efficiency. The material is highly resistant to most chemicals, which makes it useful in environments exposed to corrosive substances. It's often used in the production of sealing components for chemical processing equipment.

CARRARA GLOBAL SEALING SOLUTIONS

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