

materialdata

LEAH Y05

Special polymer alloy for oil-free Compressor piston ring and rod packings

LEAH Y05 is a proprietary PPS compound shows extreme high performance in non-lubricated application than traditional PTFE compound, is recommended for non-lubricated as well as BOG / LNG compressors.

For high duty application where requires superior physical properties, other materials such as LEAH Y07 and Y08 may be considered.

Typical Properties of LEAH Y05

Tensile strength at 20°C (Mpa)	11
Elongation at 20°C (%)	5
Coefficient of thermal expansion (/°C)	70-90x10 ⁻⁶
Hardness (Shore 'D')	65-70
Specific gravity	1.9
Suggested temperature limit (non-lube gas compressors) (°C)	200

LEAH should be consulted for the proper design and application of its engineered products and materials.

For further advice and technical support please contact LEAH via the details:

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LEAH Industries
Compressor parts and service