

materialdata

LEAH Y08

High duty polymer alloy for dry nitrogen compressor piston and rod sealing rings

LEAH Y08 is a hot compression molded, proprietary, filled PEEK compound for higher duty non-lubricated process gas and bone-dry gas applications especially in helium and nitrogen services.

This material is the preferred selection for dry nitrogen compressor packings, and is able to extend the operating limits of both pressure and temperature, by comparison with LEAH Y06 material.

Typical Properties of LEAH Y08

Tensile strength at 20°C (Mpa)	30
Elongation at 20°C (%)	1-2
Coefficient of thermal expansion (/°C)	40-50x10 ⁻⁶
Hardness (Shore 'D')	80-85
Specific gravity	1.7
Suggested temperature limit (non-lube nitrogen compressors) (°C)	230

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