

materialdata

LEAH Y11

Special polymer alloy for high duty air compressor piston and rod sealing rings

LEAH Y11 is a special material developed for high duty, oil free atmospheric air compressors, such as those used in the manufacture of PET bottles, normally for final stages piston rings and rod packings with better performance than LEAH Y03.

Extensive wear testing has confirmed LEAH Y11 is match various cylinder and piston rod materials, including cast iron, alloy and stainless steel, or chrome plating.

Typical Properties of LEAH Y11

Tensile strength at 20°C (Mpa)	13
Elongation at 20°C (%)	75
Coefficient of thermal expansion (/°C)	70-90x10 ⁻⁶
Hardness (Shore 'D')	70-75
Specific gravity	3.0
Suggested temperature limit (non-lube air compressors) (°C)	210

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