

# materialdata

## LEAH Y01

### Compressor piston ring and packing material

**LEAH Y01** is a compression molded carbon-graphite filled PTFE compound. This material is resistant to most chemicals and recommended for both lubricated and non-lubricated applications for piston rings, rider rings, and rod packing.

Other than 'bone-dry' gases, for which special grades such as LEAH Y05 and Y07 can be specified.

#### Typical Properties of LEAH Y01

Tensile strength at 20°C (Mpa)	13
Elongation at 20°C (%)	50
Coefficient of thermal expansion (/°C)	70-90x10 <sup>-6</sup>
Hardness (Shore 'D')	60-65
Specific gravity	2.0
Suggested temperature limit (non-lube gas/air 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:

**Jacky Wu**

Tel: +86 21-5762 1378 Cell: +86 137 8890 4373

E-mail: shanghai.jwu@outlook.com

[www.leahindustries.com](http://www.leahindustries.com)



**LEAH Industries**  
Compressor parts and service