

CPI 331

Special piston ring and rod packing material

CPI 331 is a polymer alloy suitable for contaminated gases and applications where the counter surface has not been hardened. It is appropriate for dry gases or gases where there is variation in moisture content.

It is not suitable for use in oil lubricated compressors. It is not suitable for applications requiring stretch-on rider rings.

CPI should be consulted for the proper design and application of its specialized products and materials. For further advice and technical support please contact CPI directly.



Typical properties	Metric	Imperial
Tensile strength at 20°C	12 MPa	1700 psi
Elongation at 20°C (%)	4	4
Coefficient of thermal expansion	70-90 x 10 ⁻⁶ /°C	3.9-5.0 x 10 ⁻⁵ /°F
Hardness (Shore 'D')	60-65	60-65
Specific gravity	1.80	1.80
Suggested mean temperature limit	165 °C	330 °F



Note: The values above are for reference only and are not intended for specification or quality control purposes.