

CPI 303

Special compressor
piston ring and packing material



material data

CPI 303 is a proprietary blend of virgin PTFE and specially selected fillers and is manufactured under carefully controlled conditions.

CPI 303 has been developed especially to give safe and reliable use in dry oxygen compressors and is ignition-tested and approved for this demanding application.

CPI 303 is also suitable for dry gases which contain oxygen as a constituent, such as bone-dry air and crude argon, and provides exceptional wear resistance in these conditions.

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 (%)	125	125
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	2.3	2.3
Suggested mean temperature limit (Ts +Td)/2 (non-lube gas compressors)	120 °C	250 °F