

CPI 100**Compressor piston ring and packing material**

CPI 100 is a proprietary blend of carbon and graphite fillers with virgin PTFE.

CPI 100 is a non-fibrous material, non-abrasive and provides a combination of good mechanical properties and wear resistance, equally suited to both lubricated and non-lubricated compressor applications, other than 'bone-dry' gases, for which special grades such as CPI 184 and 192 can be specified.

Typical Properties of CPI 100

Tensile strength at 20°C (Mpa)	13
Elongation at 20°C (%)	50
Coefficient of thermal expansion (1/°C)	70-90x10 ⁻⁶
Hardness (Shore 'D')	60-65
Specific gravity	2.0
Suggested mean temperature limit (non-lube gas/air compressors) (°C)	125

CPI should be consulted for the proper design and application of its specialised products and materials.

For further advice and technical support please contact CPI directly via the details below.