

CPI 315

Compressor piston ring and packing material



CPI 315 is a proprietary blend of carbon and graphite fillers with virgin PTFE.

CPI 315 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.

CPI, part of the Howden group, 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 | 13 MPa | 1875 psi |
| Elongation at 20°C (%) | 75 | 75 |
| 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 | 2.0 | 2.0 |
| Suggested mean temperature limit (Ts +Td)/2 (non-lube gas/air compressors) | 125°C | 260°F |



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