

CPI 138

Special compressor piston ring and rod packing material



CPI 138 is a proprietary blend of virgin PTFE and specially selected fillers and is manufactured under carefully controlled conditions.

CPI 138 has been developed especially to give safe and reliable use in dry oxygen compressors and has undergone ignition-testing for this demanding application. CPI 138 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 138 has been independently ignition tested and approved for use in oxygen by BAM.

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	20 MPa	2900 psi
Elongation at 20°C (%)	250	250
Coefficient of thermal expansion	70-90 x 10 ⁻⁶ /°C	3.8-5.0 x 10 ⁻⁵ /°F
Hardness (Shore 'D')	60-65	60-65
Specific gravity	2.4	2.4
Suggested mean temperature limit (Ts +Td)/2 (non-lube gas compressors)	120°C	250°F

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