

CPI 111**High duty air compressor
piston ring and packing material**

CPI 111 is a self-lubricating material which has been specially developed for use in high duty, oil free atmospheric air compressors, such as those used in the manufacture of PET bottles.

Extensive wear testing has confirmed the exceptional wear resistance and suitability of CPI 111 as piston rings, rider rings and packing rings in air compressors which use various cylinder and piston rod materials, including cast iron, alloy and stainless steel, or chrome plating.

Typical Properties of CPI 111

Tensile strength at 20°C (Mpa)	13
Elongation at 20°C (%)	75
Coefficient of thermal expansion (1/°C)	70-90x10 ⁻⁶
Hardness (Shore 'D')	70-75
Specific gravity	3.0
Suggested mean temperature limit (non-lube air compressors) (°C)	130

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.