

CPI 124

High duty air compressor piston ring and packing material

CPI 124 is a special self-lubricating material, which can be used to provide reliable operating lives in non-lubricated, atmospheric air compressors.

CPI 124 has been formulated to give a useful combination of properties including toughness, resistance to elevated temperature and good wear resistance in atmospheric (moist) air.

These properties make CPI 124 an ideal choice for packings and for air-cooled air compressor rings.

Its flexibility allows the use of stretched-on (solid) rider rings where these are required.

CPI 124 should not be selected for bone-dry air compressors - other CPI grades are available for this service.

Typical Properties of CPI 124

Tensile strength at 20°C (Mpa)	15
Elongation at 20°C (%)	120
Coefficient of thermal expansion (1/°C)	70-90x10 ⁻⁶
Hardness (Shore 'D')	65-70
Specific gravity	3.8
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.