CPI 566

Valve Disc Material

Formerly CPI 160

CPI 566 is a proprietary reinforced thermo-plastic material developed for use in CPI compressor valves

CPI 566 exhibits very low moisture absorption and is therefore particularly beneficial in saturated gas applications such as atmospheric air or saturated carbon dioxide.

CPI 566 also offers an exceptionally high temperature resistance.

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	155 MPa	22,000 psi
Elongation at 20°C (%)	2-3	2-3
Coefficient of thermal expansion	17 x 10^{-6} /°C	9.4 x10^{-6}/°F
Specific gravity	1.5	1.5
Water absorption (%)	0.06	0.06
Flexural strength	230 MPa	33,000 psi
Felxural modulus	10 x 10^{3} MPa	1.4 x 10^{5} psi
Suggested gas discharge temp. limit	225°C	440°F

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

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