

ATLAS BALL & BEARING CO LIMITED

POLYPROPYLENE BALL DATA SHEET

Attributes Polypropylene is a light weight economical material that offers a combination of outstanding physical, chemical, mechanical, thermal and electrical properties not found in other thermoplastics.

Specification with equivalent trade names PP
Pro-fax
Moplen

Typical uses/applications Low weight and low water absorption, so is used in fluid level gauges, flowmeters and valves where these properties are required with good corrosion resistance

Mechanical/physical properties

Hardness	86 Rockwell R
Tensile strength	33 Mpa
Compressive strength	48 Mpa
Flexural Modulus	1241 Mpa
Maximum service temperature	82° C
Melting temperature	164° C
Specific gravity (density)	0.900 g/cm ³ (0.033 lb/in ³)
Water absorption - 24 hours	< 0.01%
Coefficient of Thermal Expansion	15 x 10 ⁻⁵ /°C
Poisson's Ratio	0.45

www.atlasball.co.uk

Whilst every care has been taken we cannot accept liability for any errors contained within this data sheet.

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