

# ATLAS BALL & BEARING CO LIMITED

## POLYACETAL BALL DATA SHEET

<b>Attributes</b>	A highly crystalline thermoplastic is known for its high flexural and tensile strength, stiffness, hardness and low creep under stress. Has low water absorption
<b>Specification with equivalent Trade/common names</b>	Acetal Delrin® POM (Polyoxymethylene)
<b>Typical uses/applications</b>	Bearings, draw slides
<b>Mechanical/physical properties</b>	
Hardness	R117-R120 Rockwell M
Tensile strength	67-73 Mpa
Elongation, break	15-80%
Elongation, yield	8-25%
Tensile Modulus	2940-3560 MPa
Flexural Modulus	2790-3380 MPa
Maximum service temperature	Short term 140° C Long term 100° C
Melting temperature	166° C
Specific gravity (density)	1.41 g/cm <sup>3</sup> (0.051 lb/in <sup>3</sup> )
Water absorption – 24h 23° C	0.27/0.43%

[www.atlasball.co.uk](http://www.atlasball.co.uk)

Delrin is a trade name of DuPont Company  
Whilst every care has been taken we cannot accept liability for any errors contained within this data sheet.

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