

ATLAS BALL & BEARING CO LIMITED

POLYETHYLENE BALL DATA SHEET

Attributes

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|--------------------------------------|----------------------------|
| Specification with equivalent | Polyethylene |
| Trade/common names | PE, HDPE, LDPE Ethylene |

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|----------------------------------|-----------------------|
| Typical uses/applications | Bearings, draw slides |
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Mechanical/physical properties

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|------------------------------|---|
| Hardness | R117-R120 Rockwell |
| 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) | 0.85-0.95 g/cm ³ (0.051 lb/in ³) |
| Water absorption – 24h 23° C | 0.27/0.43% |

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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