

DATA SHEETMATERIAL REFERENCE – FLUORINOID® FL 102DESCRIPTION PTFE with SPECIAL FILLERSTYPICAL APPLICATIONS

FL102 is developed for sealing applications. Special fillers improve compression and wear properties as well as self-lubrication particularly in dynamic sealing applications.

TYPICAL PHYSICAL PROPERTIES #

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|------------------|---------------------|-------------|
| SPECIFIC GRAVITY | (BS EN ISO 13000-2) | 2.22 6 2.30 |
| TENSILE STRENGTH | (BS EN ISO 13000-2) | 17.2MPa min |
| ELONGATION | (BS EN ISO 13000-2) | 200% min |
| SHORE D HARDNESS | (BS EN ISO 13000-2) | 60 - 68 |

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| WATER ABSORPTION | (ASTM D570) | 0.013 % |
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| COMPRESSIVE STRENGTH (2% OFFSET) (ASTM D695) | | |
| AXIAL | | 10.3 MPa |
| RADIAL | | 9.7 MPa |

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| IZOD IMPACT STRENGTH (ASTM D256) | | |
| 23°C | | 3.52 ft.lb/in ² |
| 77°C | | 4.05 ft.lb/in ² |

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| STATIC COEFFICIENT OF FRICTION at 23°C | 0.085 |
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| DEFORMATION UNDER LOAD, 24 hours (ASTM D621) | | |
| 10.3 MPa, 23°C | | 1.3 % |
| 10.3 MPa, 38°C | | 1.6 % |
| 10.3 MPa, 93°C | | 4.0 % |

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| MAXIMUM WORKING TEMPERATURE | 260°C |
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These figures are typical values for the material and do not represent a product specification. Properties will vary depending on the source of raw material, method of processing, physical form of the product, direction of measurement etc.

Fluorinoid® is a registered trademark of Fluorocarbon Company Ltd, Caxton Hill, Hertford, Herts, SG13 7NH

MATERIAL DATA SHEET