

DATA SHEETMATERIAL REFERENCE – FLUORINOID® FL 321DESCRIPTION ACETAL HOMOPOLYMER - POMFORMULATION POLYOXYMETHYLENETYPICAL APPLICATIONS

FL321 exhibits high heat resistance, high modulus, excellent wear resistance, and resistance to solvents and is used for the manufacture of bearings, gears, household appliances etc.

TYPICAL PHYSICAL PROPERTIES #

SPECIFIC GRAVITY	(ASTM D792)	1.42
TENSILE STRENGTH	(ASTM D638)	65 - 70 MPa
ELONGATION	(ASTM D638)	30 - 80 %
SHORE D HARDNESS	(ASTM D2240)	86
TENSILE MODULUS	(ASTM D638)	2.8 GPa
FLEXURAL STRENGTH	(ASTM D790)	94 MPa
COMPRESSIVE STRENGTH	(ASTM D695)	110 MPa
DEFORMATION UNDER LOAD (23°C, 14 MPa)	(ASTM D621)	0.5 %
DIELECTRIC STRENGTH	(ASTM D149)	20 kV/mm
FLAMMABILITY RATING	(UL 94)	HB
MAXIMUM WORKING TEMPERATURE		85°C (145°C short term)

# 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.

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