

FLUOROLON NYLON 5602

Fluorolon 5602 is liquid lubrication blended during processing this grade is especially suited for high load/high rpm bearing applications, also is a superior replacement for MD in many heavy duty friction generating part life, and increased performance is required.

APPLICATIONS:

Nylon 5602 typical applications are as followed: pillow blocks, trunnion bearings, rope sheaves, pulleys, sprockets, slipper pads, and dryer bushings.

MECHANICAL PROPERTIES:

Property	Specified	Units	Method
Tensile Strength	7,500	psi	ASTM D638
Elongation	30	%	ASTM D638
Tensile Modulus	410,000	psi	ASTM D638
Compressive Strength	11,000	psi	ASTM D695
Flexural Strength	10,000	psi	ASMT D790
Flexural Modulus	310,000	psi	ASTM D790
Notched Impact	.74 – 1.2	ft/lb/in	ASTM D256
Hardness	.80 – .84	shore-D	-
Coefficient of Friction	.15	-	dry vs steel
Service Temperature	170	(F)	-
Thermal Expansion	5.5 x 10 ⁻⁵	in/in/F	ASTM D696
Wear Factor	120	k	K (in ³ /min/ft/lb/hr)
Specific Gravity	1.15	g/cm ³	ASTM D792
Water Absorption	.50	24hours-%	ASTM D570
Dielectric	500 – 600	volts/mil	ASTM D149
Flammability	self – ext	-	ASTM D639
Resistance to oils, fuels, solvents	fair	-	-

This information corresponds to our current information on the subject. It is offered solely to provide suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. Since we cannot anticipate all variations in actual end-use conditions, Advanced EMC Technologies makes no warranties and assumes no liability in connection with any use of this information.

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