

FLUOROLON NYLON 5601

Nylon 5601 is Polyamide reinforced with Molybdenum Disulfide which improves the crystallization (hardness) of the material and the coefficient of friction. The MoS₂ self-lubricates the material increasing the PV and extends bearing performance..

APPLICATIONS:

Nylon 5601 primarily intended for various bearing and bushing applications.

Property	Specified	Units	Method
Tensile Strength	12,000	psi	ASTM D638
Elongation	24	%	ASTM D638
Tensile Modulus	435,000	psi	ASTM D638
Compressive Strength	16,000	psi	ASTM D695
Flexural Strength	14,000	psi	ASMT D790
Flexural Modulus	400,000	psi	ASTM D790
Notched Impact	1.2 – 1.8	ft/lb/in	ASTM D256
Hardness	.80 – .82	shore-D	-
Coefficient of Friction	.22 –.25	-	dry vs steel
Service Temperature	250	(F)	-
Thermal Expansion	5.5 x 10 ⁻⁵	in/in/F	ASTM D696
Wear Factor	180	k	K (in ³ /min/ft/lb/hr)
Specific Gravity	1.14	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, sol-vents	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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