

FLUOROLON NYLON 5600

Fluorolon 5600 is unfilled, or "natural" Nylon 6 grade of material, it is off white in color and displays high impact resistance and medium tensile properties.

APPLICATIONS:

Nylon 5600 is recommended for those application where factors such as shock, abrasion, vibration, impact and harsh environment limit the suitability of traditional material.

Property	Specified	Units	Method
Tensile Strength	11,500	psi	ASTM D638
Elongation	20	%	ASTM D638
Tensile Modulus	425,000	psi	ASTM D638
Compressive Strength	14,000	psi	ASTM D695
Flexural Strength	16,000	psi	ASMT D790
Flexural Modulus	480,000	psi	ASTM D790
Notched Impact	.70	ft/lb/in	ASTM D256
Hardness	.80 – .84	shore-D	-
Coefficient of Friction	.26	-	dry vs steel
Service Temperature	210	(F)	-
Thermal Expansion	5.5 x 10 ⁻⁵	in/in/F	ASTM D696
Wear Factor	90	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	-	-

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