



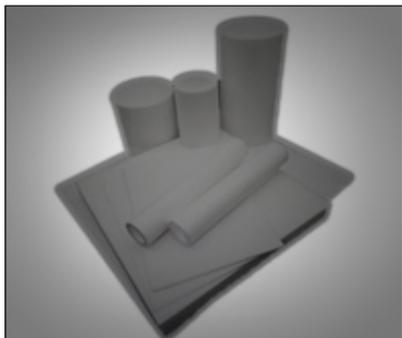
HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

TECHNICAL DATA SHEET

Grade No. HN-GL15-M5-F

15% Glass + 5% MoS2 Filled PTFE



Products : Moulded Rods, Moulded Bushes, Moulded Sheets, Skived Sheets & Machined Components

STANDARD :- ASTM-D-4745, Type I, Grade 5, Class A

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Grey
2	Density	ASTM-D-792	2.2~2.24 gm/cc
3	Tensile Strength	ASTM-D-638	150~200 Kg/cm ²
4	Elongation	ASTM-D-638	150~200 %
5a	Compressive Strength at 1% Deformation	ASTM-D-695	55~65 Kg/cm ²
5b	Compressive Strength at 10% Deformation	ASTM-D-695	180~200 Kg/cm ²
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.060
B	Dynamic		0.055
7	Hardness	ASTM-D-2240	56~62 Shore D
8	Service Temperature	ASTM-D-648	- 200 ~ + 250°C
9	Water Absorption	ASTM-D-570	< 0.01 %
10	Dielectric Strength	ASTM-D-149	8~10 Kv/mm
11	Service Conditions (Properties)	<ul style="list-style-type: none"> • High compressive strength • Excellent chemical resistance • Improved wear resistance under load & permanent deformation • Improved frictional properties 	
12	Applications	Low torque valve components	