



HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

TECHNICAL DATA SHEET

Grade No. HN-GL-25-F
25% Glass Filled PTFE



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

STANDARD :- ASTM-D-4745, Type I, Grade 2, Class A

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Ivory
2	Density	ASTM-D-792	2.22~2.25 gm/cc
3	Tensile Strength	ASTM-D-638	125~200 Kg/cm ²
4	Elongation	ASTM-D-638	150~200%
5a	Compressive Strength at 1% Deformation	ASTM-D-695	60~70 Kg/cm ²
5b	Compressive Strength at 10% Deformation	ASTM-D-695	190~200 Kg/cm ²
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.070
B	Dynamic		0.065
7	Hardness	ASTM-D-2240	60~70 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	5~6 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 	
12	Applications	Ship launching pads, pipe supporting pads	