



# HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

## TECHNICAL DATA SHEET

Grade No. HN-GL-15-F  
15% Glass Filled PTFE



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

STANDARD :- ASTM-D-4745, Type I, Grade 1, Class A

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Light Ivory
2	Density	ASTM-D-792	2.15~2.22 gm/cc
3	Tensile Strength	ASTM-D-638	175~250 Kg/cm <sup>2</sup>
4	Elongation	ASTM-D-638	200~250%
5a	Compressive Strength at 1% Deformation	ASTM-D-695	55~65 Kg/cm <sup>2</sup>
5b	Compressive Strength at 10% Deformation	ASTM-D-695	180~200 Kg/cm <sup>2</sup>
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.065
B	Dynamic		0.060
7	Hardness	ASTM-D-2240	55~60 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	10~12 Kv/mm
11	Service Conditions (Properties)		<ul style="list-style-type: none"> <li>• High compressive strength</li> <li>• Excellent chemical resistance</li> <li>• Improved wear resistance under load &amp; permanent deformation</li> </ul>
12	Applications		Ball valve component, bridge bearing pads.