



# HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

## TECHNICAL DATA SHEET

Grade No. HN-GL-35-F  
35% Glass Filled PTFE



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

STANDARD :- ASTM-D-4745, Type I, Grade 3, Class A

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Cream
2	Density	ASTM-D-792	2.25~2.30 gm/cc
3	Tensile Strength	ASTM-D-638	100~125 kg/cm <sup>2</sup>
4	Elongation	ASTM-D-638	100~125%
5a	Compressive Strength at 1% Deformation	ASTM-D-695	65~70 Kg/cm <sup>2</sup>
5b	Compressive Strength at 10% Deformation	ASTM-D-695	195~210 Kg/cm <sup>2</sup>
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.075
B	Dynamic		0.070
7	Hardness	ASTM-D-2240	60~70 Shore D
8	Service Temperature	ASTM-D-648	-250~+250°C
9	Water Absorption	ASTM-D-570	< 0.01 %
10	Dielectric Strength	ASTM-D-149	7~8 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 improved under load &amp; permanent deformation</li> <li>• Low Deformation under load</li> </ul>	
12	Applications	Mechanical Seal components	