

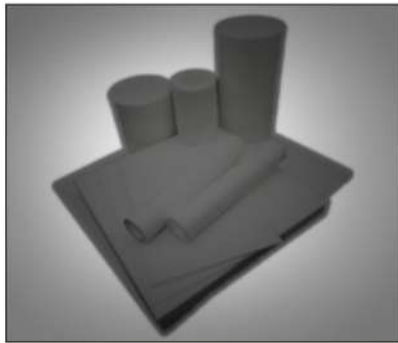


# HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

## TECHNICAL DATA SHEET

Grade No. HN-GR-15-F  
15% Graphite Filled PTFE



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

STANDARD :- ASTM-D-4745, Type I, Grade 7, Class A

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Dark Grey
2	Density	ASTM-D-792	2.1~2.15 gm/cc
3	Tensile Strength	ASTM-D-638	125~175 Kg/cm <sup>2</sup>
4	Elongation	ASTM-D-638	200~250 %
5a	Compressive Strength at 1% Deformation	ASTM-D-695	40~50 Kg/cm <sup>2</sup>
5b	Compressive Strength at 10% Deformation	ASTM-D-695	150~170 Kg/cm <sup>2</sup>
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.055
B	Dynamic		0.050
7	Hardness	ASTM-D-2240	58~62 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	2~3 Kv/mm
11	Service Conditions (Properties)	<ul style="list-style-type: none"> <li>• High compressive strength</li> <li>• Improved wear resistance under load &amp; permanent deformation</li> <li>• Better thermal / electrical conductivity.</li> <li>• Good chemical resistance</li> <li>• Improved frictional properties</li> </ul>	
12	Applications	Shaft bearings in chemical high speed Chemical pumps	