



# HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

## TECHNICAL DATA SHEET

Grade No. HN-PK-15-F  
15% Peek Filled PTFE



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

STANDARD :- Custom Made Combination

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Beige
2	Density	ASTM-D-792	1.9~2 gm/cc
3	Tensile Strength	ASTM-D-638	175~225 Kg/cm <sup>2</sup>
4	Elongation	ASTM-D-638	175~225 %
5a	Compressive Strength at 1% Deformation	ASTM-D-695	75~100 Kg/cm <sup>2</sup>
5b	Compressive Strength at 10% Deformation	ASTM-D-695	200~250 Kg/cm <sup>2</sup>
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.06
B	Dynamic		0.05
7	Hardness	ASTM-D-2240	58~60 Shore D
8	Service Temperature	ASTM-D-648	- 250 ~ + 300°C
9	Water Absorption	ASTM-D-570	< 0.01 %
10	Dielectric Strength	ASTM-D-149	15~20 Kv/mm
11	Service Conditions (Properties)	<ul style="list-style-type: none"> <li>● High compressive strength</li> <li>● Excellent wear resistance improved under load &amp; permanent deformation</li> <li>● Hygienic</li> <li>● Suitable for Food Contact Application</li> </ul>	
12	Applications	Food Contact / Medical Applications	