



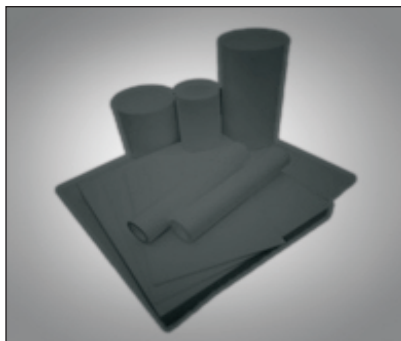
# HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

## TECHNICAL DATA SHEET

Grade No. HN-CA/GR-25-F

25% Carbon/Graphite Filled PTFE



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

STANDARD :- ASTM-D-4745, Type I, Grade 8, Class A

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Charcoal Black
2	Density	ASTM-D-792	2~2.15 gm/cc
3	Tensile Strength	ASTM-D-638	125~175 Kg/cm <sup>2</sup>
4	Elongation	ASTM-D-638	100~150%
5a	Compressive Strength at 1% Deformation	ASTM-D-695	50~60 Kg/cm <sup>2</sup>
5b	Compressive Strength at 10% Deformation	ASTM-D-695	160~180 Kg/cm <sup>2</sup>
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.060
B	Dynamic		0.050
7	Hardness	ASTM-D-2240	56~62 Shore D
8	Service Temperature	ASTM-D-648	- 200 ~ + 250°C
9	Water Absorption	ASTM-D-570	<0.01%
10.1	Dielectric Strength	ASTM-D-194	Conductive
10.2	Surface Resistivity	ASTM-D-257	10 <sup>6</sup> - 10 <sup>8</sup> Ohm-cm
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> </ul>	
12	Applications	Wear Strips	