



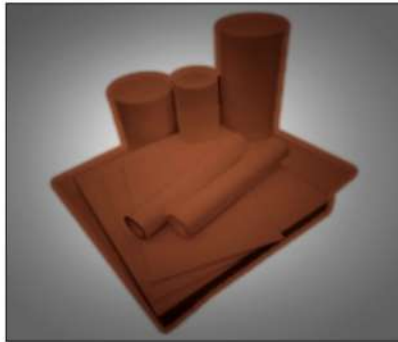
# HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

## TECHNICAL DATA SHEET

### HN - BR - 40 - F

### 40% Bronze Filled PTFE



#### Products : Moulded Rods, Moulded Bushes, Moulded Sheet & Machined Components

STANDARD :- ASTM-D-4745, Type I, Grade 10, Class A

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Brown
2	Density	ASTM-D-792	2.9~3.1 gm/cc
3	Tensile Strength	ASTM-D-638	150~200 Kg/cm <sup>2</sup>
4	Elongation	ASTM-D-638	250~300%
5a	Compressive Strength at 1% Deformation	ASTM-D-695	70~80 kg/cm <sup>2</sup>
5b	Compressive Strength at 10% Deformation	ASTM-D-695	200~220 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	60~65 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	Conductive
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>• Better thermal / electrical conductivity.</li> <li>• Good chemical resistance.</li> <li>• Very low cold flow.</li> </ul>	
12	Applications	Low Load High Speed bush Bearings	