

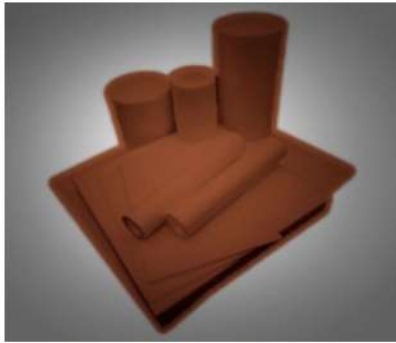


# HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

## TECHNICAL DATA SHEET

Grade No. HN-BR-60-F  
60% Bronze Filled PTFE



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

STANDARD :- ASTM-D-4745, Type I, Grade 11, Class A

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Dark Brown
2	Density	ASTM-D-792	3.8~4 gm/cc
3	Tensile Strength	ASTM-D-638	150~200 Kg/cm <sup>2</sup>
4	Elongation	ASTM-D-638	200~250 %
5a	Compressive Strength at 1% Deformation	ASTM-D-695	100~110 Kg/cm <sup>2</sup>
5b	Compressive Strength at 10% Deformation	ASTM-D-695	250~300 Kg/cm <sup>2</sup>
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.070
B	Dynamic		0.065
7	Hardness	ASTM-D-2240	62~68 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	High Load Bush Bearings	