

HINDUSTAN NYLONS

FLUOROCARBONS DIVISION

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Ref. No. :

Date :

TECHNICAL DATA SHEET

GRADE CODE: HN-BR-60-F

Product:- 60% Bronze Filled PTFE Polytetrafluoroethylene

Type:- NFF – PREMIUM – COMPMOLDING – MECHANICAL

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 ²
4	Elongation	ASTM-D-638	200~250 %
5.a	Compressive Strength at 1% Deformation	ASTM-D-695	100~110 Kg/cm ²
5.b	Compressive Strength at 10% Deformation	ASTM-D-695	250~300 Kg/cm ²
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	250 °C
9	Water Absorption	ASTM-D-570	< 0.01 %
10	Dielectric Strength	ASTM-D-194	Conductive
11	Service Conditions (Properties)	• High compressive strength • Excellent wear resistance improved under load & permanent deformation • Better thermal / electrical conductivity. • Good chemical resistance • Very low cold flow.	
12	Applications	Bush Bearings	