

# HINDUSTAN NYLONS

## FLUOROCARBONS DIVISION

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Ref. No. :

Date :

### TECHNICAL DATA SHEET

GRADE CODE: HN-BR-55-M5-F

**Product:- 55% Bronze + 5% MoS<sub>2</sub> Filled PTFE Polytetrafluoroethylene**

**Type:- NFF – PREMIUM – COMPMOLDING – MECHANICAL**

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Dark Brownish / Black
2	Density	ASTM-D-792	3.8~4 gm/cc
3	Tensile Strength	ASTM-D-638	125~175 kg/cm <sup>2</sup>
4	Elongation	ASTM-D-638	150~200 %
5.a	Compressive Strength at 1% Deformation	ASTM-D-695	100~110 Kg/cm <sup>2</sup>
5.b	Compressive Strength at 10% Deformation	ASTM-D-695	250~300 Kg/cm <sup>2</sup>
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.065
B	Dynamic		0.060
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)		<ul style="list-style-type: none"><li>• Improved fictional properties</li><li>• High compressive strength</li><li>• Excellent wear resistance improved under load &amp; permanent deformation</li><li>• Good thermal / electrical conductivity</li><li>• Very low cold flow</li></ul>
12	Applications		Hydraulic seals