



HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

TECHNICAL DATA SHEET

Grade No. HN-BR-35/40-M5-F

35/40% Bronze + 5% MoS2 Filled PTFE



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

STANDARD :- ASTM-D-4745, Type I, Grade 12, Class A

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Blackish Brown
2	Density	ASTM-D-792	2.9~3.1 gm/cc
3	Tensile Strength	ASTM-D-638	125~175 Kg/cm ²
4	Elongation	ASTM-D-638	200~250 %
5a	Compressive Strength at 1% Deformation	ASTM-D-695	75~85 Kg/cm ²
5b	Compressive Strength at 10% Deformation	ASTM-D-695	210~230 Kg/cm ²
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.060
B	Dynamic		0.055
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"> • High compressive strength • Excellent wear resistance improved under load & permanent deformation • Better thermal / electrical conductivity. • Good chemical resistance • Very low cold flow 	
12	Applications	Pneumatic Seals	