



## Hindustan Nylons FLUOROCARBONS DIVISION

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### Technical Data Sheet Grade Code: HN-BR-40-F

Product:-40% Bronze Filled PTFE Polytetrafluoroethylene

Type:- NFF - PREMIUM - COMPMOLDING - MECHANICAL			
SR No.	Parameter	Standard	Value
1	Colour	Visual	Brown
2	Density	ASTM-D-792	2.9~3.1gm/cc
3	Tensile Strength	ASTM-D-638	150~200 kg/cm <sup>2</sup>
4	Elongation	ASTM-D-638	250~300%
5.a	Compressive Strength at 1% Deformation	ASTM-D-695	70~80 Kg/cm <sup>2</sup>
5.b	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	250OC
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>• 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	Wear Strips Machine tool liners, hydraulic seals.	

