

HINDUSTAN NYLONS

FLUOROCARBONS DIVISION

Plot No. C-23/1,
M.I.D.C. Industrial Area,
Miraj - 416 410 (M.S.) India
Telephone : ++ 91-233-2644488, 2644888
Facsimile : ++ 91-233-2644772
Email : contact@hindustan-nylons.com
web site : www.hindustan-nylons.com



Ref. No. :

Date :

TECHNICAL DATA SHEET

GRADE CODE: HN-GR-15-F

Product:- 15% Graphite Filled PTFE Polytetrafluoroethylene

Type:- NFF – PREMIUM – COMPMOLDING – CHEMICAL

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Dark Grey
2	Density	ASTM-D-792	2.1~2.15 gm/cc
3	Tensile Strength	ASTM-D-638	125~175 kg/cm ²
4	Elongation	ASTM-D-638	200~250 %
5.a	Compressive Strength at 1% Deformation	ASTM-D-695	40~50 Kg/cm ²
5.b	Compressive Strength at 10% Deformation	ASTM-D-695	150~170 Kg/cm ²
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.055
B	Dynamic		0.050
7	Hardness	ASTM-D-2240	58~62 Shore D
8	Service Temperature	ASTM-D-648	250 °C
9	Water Absorption	ASTM-D-570	< 0.01 %
10	Dielectric Strength	ASTM-D-194	2~3 Kv/mm
11	Service Conditions (Properties)	<ul style="list-style-type: none">• High compressive strength• Improved wear resistance under load & permanent deformation• Better thermal / electrical conductivity.• Good chemical resistance• Improved frictional properties.	
12	Applications	Shaft bearings in chemical high speed Chemical pumps.	