

HINDUSTAN NYLONS

FLUOROCARBONS DIVISION

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Ref. No. :

Date :

TECHNICAL DATA SHEET

GRADE CODE: HN-GL-15-F

Product:- 15% Glass Filled PTFE – Polytetrafluoroethylene

Type:- NFF – PREMIUM – COMPMOLDING – CHEMICAL / MECHANICAL

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Ultra-light Cream
2	Density	ASTM-D-792	2.15~2.22 gm/cc
3	Tensile Strength	ASTM-D-638	175~250 kg/cm ²
4	Elongation	ASTM-D-638	200~250 %
5.a	Compressive Strength at 1% Deformation	ASTM-D-695	55~65 Kg/cm ²
5.b	Compressive Strength at 10% Deformation	ASTM-D-695	180~200 Kg/cm ²
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.065
B	Dynamic		0.060
7	Hardness	ASTM-D-2240	55~60 Shore D
8	Service Temperature	ASTM-D-648	250°C
9	Water Absorption	ASTM-D-570	< 0.01%
10	Dielectric Strength	ASTM-D-194	10~12 Kv/mm
11	Service Conditions (Properties)		<ul style="list-style-type: none">• High compressive strength• Excellent chemical resistance• Improved wear resistance under load & permanent deformation
12	Applications		Ball valve component, bridge bearing pads.