

HINDUSTAN NYLONS

FLUOROCARBONS DIVISION

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Ref. No. :

Date :

TECHNICAL DATA SHEET

GRADE CODE: HN-GL15-M5-F

Product:- 15% Glass + 5% Moly Filled PTFE Polytetrafluoroethylene

Type:- NFF – PREMIUM – COMPMOLDING – CHEMICAL

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Grey
2	Density	ASTM-D-792	2.2~2.24 gm/cc
3	Tensile Strength	ASTM-D-638	150~200 kg/cm ²
4	Elongation	ASTM-D-638	150~200 %
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	0.060
B	Dynamic		0.055
7	Hardness	ASTM-D-2240	56~62 Shore D
8	Service Temperature	ASTM-D-648	250 °C
9	Water Absorption	ASTM-D-570	< 0.01 %
10	Dielectric Strength	ASTM-D-194	8~10 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• Improved frictional properties	
12	Applications	Low torque valve components	