

HINDUSTAN NYLONS

FLUOROCARBONS DIVISION

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Ref. No. :

Date :

TECHNICAL DATA SHEET

GRADE CODE: HN-CA-25-F

Product:- 25% Carbon Filled PTFE – Polytetrafluoroethylene

Type:- NFF – PREMIUM – COMPMOLDING – MECHANICAL

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Black
2	Density	ASTM-D-792	2~2.15 gm/cc
3	Tensile Strength	ASTM-D-638	125~175 kg/cm ²
4	Elongation	ASTM-D-638	100~150 %
5.a	Compressive Strength at 1% Deformation	ASTM-D-695	50~60 Kg/cm ²
5.b	Compressive Strength at 10% Deformation	ASTM-D-695	160~180 Kg/cm ²
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.060
B	Dynamic		0.050
7	Hardness	ASTM-D-2240	56~62 Shore D
8	Service Temperature	ASTM-D-648	250 °C
9	Water Absorption	ASTM-D-570	0 %
10	Dielectric Strength	ASTM-D-194	5~6 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
12	Applications		Rider Rings of Air Compressor