

HINDUSTAN NYLONS

FLUOROCARBONS DIVISION

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Ref. No. :

Date :

TECHNICAL DATA SHEET

GRADE CODE: HN-VM-690

Product:- Virgin / Unfilled PTFE – Polytetrafluoroethylene

Type:- NFF – PREMIUM – COMPMOLDING – PHARMA/ ELECTRICAL/ FOOD/ MEDICAL

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Translucent White
2	Density	ASTM-D-792	2.1~2.15 gm/cc
3	Tensile Strength	ASTM-D-638	300~400 kg/cm ²
4	Elongation	ASTM-D-638	350~450 %
5.a	Compressive Strength at 1% Deformation	ASTM-D-695	45~60 Kg/cm ²
5.b	Compressive Strength at 10% Deformation	ASTM-D-695	170~200 Kg/cm ²
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.045
B	Dynamic		0.035
7	Hardness	ASTM-D-2240	55~60 Shore D
8	Service Temperature	ASTM-D-648	250°C
9	Water Absorption	ASTM-D-570	0%
10	Dielectric Strength	ASTM-D-194	30~32 Kv/mm
11	Service Conditions (Properties)	<ul style="list-style-type: none">• Less Creep.• Improved Permeation Resistance• Smoother Surfaces• Less Porous• Better High Voltage Insulation• New Fabricating Versatility with welding	
12	Applications	Diaphragms, Components of Mechanical Seals, Vessel Lining	