

HINDUSTAN NYLONS

FLUOROCARBONS DIVISION

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Ref. No. :

Date :

TECHNICAL DATA SHEET

GRADE CODE: HN-V-610

Product:- Virgin / Unfilled PTFE – Polytetrafluoroethylene

Type:- SFF – GENERAL – COMPMOLDING – MECHANICAL/CHEMICAL

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Milky White
2	Density	ASTM-D-792	2.1~2.2 gm/cc
3	Tensile Strength	ASTM-D-638	200~300 kg/cm ²
4	Elongation	ASTM-D-638	250~350 %
5.a	Compressive Strength at 1% Deformation	ASTM-D-695	35~40 Kg/cm ²
5.b	Compressive Strength at 10% Deformation	ASTM-D-695	140~145 Kg/cm ²
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.05
B	Dynamic		0.04
7	Hardness	ASTM-D-2240	50~55 Shore D
8	Service Temperature	ASTM-D-648	- 200~+260°C
9	Water Absorption	ASTM-D-570	0%
10	Dielectric Strength	ASTM-D-194	10~15 Kv/mm
11	Service Conditions (Properties)	<ul style="list-style-type: none">• Hygienic• Excellent chemical resistance• Outstanding electrical properties• Excellent flexural properties	
12	Applications	Gaskets, Bellows, food / contact & medicine / human consumption applications.	