



HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

TECHNICAL DATA SHEET

Grade No. HN-V-610
Virgin Unfilled PTFE



Products : Moulded Rods, Moulded Bushes, Moulded Sheets, Skived Sheets & Machined Components

STANDARD :- ASTM-D-1710 / D-3294 / D-3308, Type II, Grade 1, Class A

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 %
5a	Compressive Strength at 1% Deformation	ASTM-D-695	35~40 Kg/cm ²
5b	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 ~ + 250°C
9	Water Absorption	ASTM-D-570	0%
10	Dielectric Strength	ASTM-D-149	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.	