



# HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

## TECHNICAL DATA SHEET

Grade No. HN-V-M-690  
Virgin Modified PTFE



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

STANDARD :- ASTM-D-4894, Type III, Grade 1, Class A

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	Shiny White
2	Density	ASTM-D-792	2.1~2.15 gm/cc
3	Tensile Strength	ASTM-D-638	300~400 Kg/cm <sup>2</sup>
4	Elongation	ASTM-D-638	350~450 %
5a	Compressive Strength at 1% Deformation	ASTM-D-695	45~60 Kg/cm <sup>2</sup>
5b	Compressive Strength at 10% Deformation	ASTM-D-695	170~200 Kg/cm <sup>2</sup>
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	-200 ~ + 250°C
9	Water Absorption	ASTM-D-570	0%
10	Dielectric Strength	ASTM-D-149	30~32 Kv/mm
11	Service Conditions (Properties)	<ul style="list-style-type: none"> <li>• Less Creep.</li> <li>• Improved Permeation Resistance</li> <li>• Smoother Surfaces</li> <li>• Less Porous</li> <li>• Better High Voltage Insulation</li> <li>• New Fabricating Versatility with welding</li> </ul>	
12	Applications	Diaphragms, Vessel Lining	