

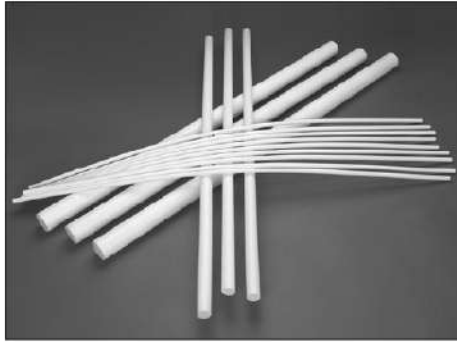


# HINDUSTAN NYLONS

PTFE: Tough Polymer For Tough Environment

## TECHNICAL DATA SHEET

Grade No. HN-V-510  
Virgin Unfilled PTFE



### Products : Ram Extruded Rods, Ram Extruded Pipes, Ram Extruded Profiles

STANDARD :- ASTM-D-1710, 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   | 200~250 Kg/cm <sup>2</sup> |
| 4       | Elongation                              | ASTM-D-638   | 200~250%                   |
| 5a      | Compressive Strength at 1% Deformation  | ASTM-D-695   | 35~40 Kg/cm <sup>2</sup>   |
| 5b      | Compressive Strength at 10% Deformation | ASTM-D-695   | 140~145 Kg/cm <sup>2</sup> |
| 6       | Coefficient of Friction                 | -  | -                          |
| A       | Static                                  | ASTM-D-1894  | 0.055                      |
| B       | Dynamic                                 |  | 0.045                      |
| 7       | Hardness                                | ASTM-D-2240  | 55~58 Shore D              |
| 8       | Service Temperature                     | ASTM-D-648   | -200 ~ + 250°C             |
| 9       | Water Absorption                        | ASTM-D-570   | 0%                         |
| 10      | Dielectric Strength                     | ASTM-D-149   | 15~20 Kv/mm                |
| 11      | Service Conditions (Properties)         | <ul style="list-style-type: none"> <li>• Hygienic</li> <li>• Excellent chemical resistance</li> <li>• Outstanding electrical properties</li> </ul> |                            |
| 12      | Applications                            | Electrical & Electronic Insulators   |                            |