

HINDUSTAN NYLONS

FLUOROCARBONS DIVISION

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Ref. No. :

Date :

TECHNICAL DATA SHEET

GRADE CODE: HN-TR-333-F

Product:- Trexonn – Filled PTFE – Polytetrafluoroethylene

Type:- NFF – PREMIUM – COMPMOLDING – MECHANICAL

Sr. No.	Parameter	Standard	Value
1	Colour	Visual	One Side Olive Green Other Side Blackish Brown
2	Density	ASTM-D-792	2.9~3.2 gm/cc
3	Tensile Strength	ASTM-D-638	150~200 kg/cm ²
4	Elongation	ASTM-D-638	150~200 %
5.a	Compressive Strength at 1% Deformation	ASTM-D-695	100~125 Kg/cm ²
5.b	Compressive Strength at 10% Deformation	ASTM-D-695	225~250 Kg/cm ²
6	Coefficient of Friction	-	-
A	Static	ASTM-D-1894	0.065
B	Dynamic		0.060
7	Hardness	ASTM-D-2240	60~65 Shore D
8	Service Temperature	ASTM-D-648	250 °C
9	Water Absorption	ASTM-D-570	< 0.01 %
10	Dielectric Strength	ASTM-D-194	Conductive
11	Service Conditions (Properties)		<ul style="list-style-type: none">• High compressive strength• Excellent wear resistance improved under load & permanent deformation• Better thermal / electrical conductivity.• Good chemical resistance• Very low cold flow.
12	Applications		Wear Strips Machine tool liners, hydraulic seals.