

Films

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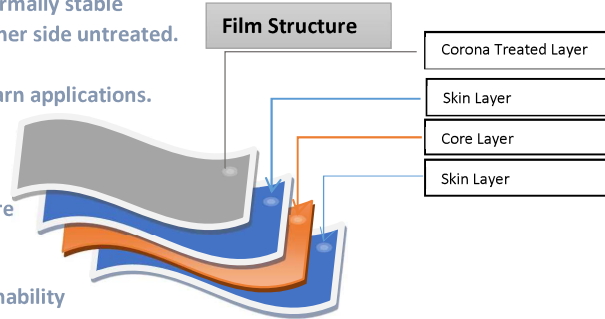
Technical Data Sheet – D-YRN

Product Description – D-YRN is transparent, thermally stable BOPET film. It is one side corona treated and other side untreated.

Applications – Specially designed for Metallic Yarn applications.

Salient Features –

- Excellent dimensional and thermal Stability at higher operating temperature
- High Clarity and transparency
- Improved Adhesion
- Excellent mechanical properties, machinability and good surface properties



Typical Technical Values – D-YRN

Properties		Test Method	Unit	Values					
Physical									
Thickness		ASTM D374	Micron	12	13	15	19	23	30
Density		-	Gm/cc	1.4	1.4	1.4	1.4	1.4	1.4
Grammage		-	Gms	16.8	18.2	21	26.6	32.2	42
Yield		-	M ² /Kg	59.5	54.9	47.6	37.5	31	23.8
Optical									
Haze		ASTM D-1003	%	3.0	3.0	3.5	3.5	3.5	4.0
Transmittance			%	89	89	89	89	89	89
Mechanical									
Tensile Strength	MD	ASTM D-882	Kg/cm ²	2200	2200	2200	1900	1900	1900
	TD		Kg/cm ²	1900	1900	1900	1800	1800	1800
Elongation	MD	ASTM D-882	%	110	110	110	100	90	90
	TD		%	90	90	90	90	90	90
Coefficient of friction	St.	ASTM D1894	-	0.50	0.50	0.50	0.50	0.50	0.50
	Dy.		-	0.45	0.45	0.45	0.45	0.45	0.45
Thermal									
Shrinkage 190°C/20 Min.	MD	ASTM D1204	%	4.0	4.0	4.0	4.0	4.0	4.0
	TD		%	0.0	0.0	0.0	0.0	0.0	0.0
Surface									
Wetting Tension	Untreated	ASTM D2578	Dyne/cm	44	44	44	44	44	44
	Corona		Dyne/cm	54	54	54	54	54	54

Storage and Handling: D-YRN needs to be stored in a closed warehouse below 35°C temperature and should not be exposed to direct sunlight, light sources and humidity. If the material is stored in the recommended conditions, it is suitable for use within 10 months from the date of shipment. Although it is a tough film, any kind of external pressure or shock can damage the film roll. Therefore, it is recommended to move the film roll with the help of proper equipment only.

Food Grade Compliance:

Dhunseri BOPET Films complies with EU and FDA regulations on plastic materials used for food grade applications. Any other documents and MSDS are available on demand.

Disclaimer: The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values given in this data sheet are based on experience and machine specification. However, we expect that actual values will be very similar to the given values. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. Dhunseri Poly Films Private Limited suggests the customer to confirm these values and product compatibility prior to their use. Dhunseri Poly Films provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheet. Dhunseri Poly Films reserves the right to change the technical data sheet at any time without prior notice.

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