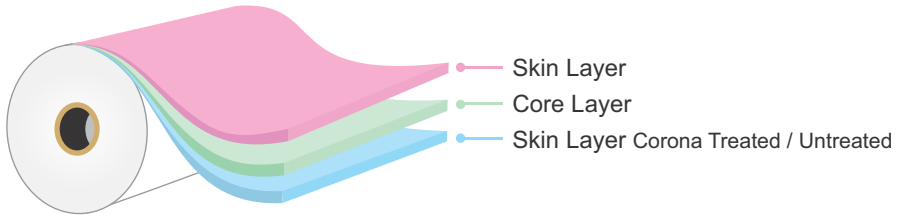
COSMO FILMS
Engineered to Enhance

Technical Data Sheet

BOPET YARN Grade Transparent Film

CF-YGF

Structure



Description

It is Co-Extruded Plain Corona Treated Bi-axially Oriented Polyethylene Terephthalate film.

Features

- Excellent thermal stability
- Improved adhesion at corona side
- High Clarity and transmittance
- Excellent Mechanical Properties

Applications

- Yarn utilization plain and metallized form (Jeri Work)
- Printing and Lamination

Provisional Data Sheet

Properties	Ref.	Units	ASTM#/Test Method	CF-YGF			
Physical Data							
Average Thickness		micron	D-374-C	12	13.5	23	36
		gauge		48	54	92	144
		mils		0.5	0.5	0.9	1.4
Density		g/cc		1.4	1.4	1.4	1.4
Average Substance		g/m^2		16.80	18.9	32.20	50.40
Surface tension (min.)	UT/CT	dynes/cm	D-2578	52			
Kinetic COF (Max.)	UT/CT		D-1894	0.55	0.55	0.50	0.50
	UT/UT			0.50	0.50	0.45	0.45
Yield		m^2/Kg	D-4321	59.52	52.9	31.06	19.84
		in^2/lb		41846	37192	21837	13948
Optical Data							
Haze (Max.)		%	D-1003	3.5	3.5	4.0	4.0
Mechanical Data							
Tensile Strength (min.)	MD	kg/cm^2	D-882	2150	2150	2000	2000
	TD			2150	2150	1900	1900
Elongation (min.)	MD	%	D-882	90	100	100	100
	TD			90	100	100	100
Thermal Data							
Linear Shrinkage (Max.) (190°C/374°F, 5 min.)	MD	%	D-1204	4.5			
	TD			0.0			

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction CT : Corona Treated UT : Untreated

Updated as on Nov - 2022

Storage & Handling : PET film needs to be stored in a warehouse below 35°C (95°F) and should not e exposed to direct sunlight, sources or high humidity. If the material is stored in the recom conditions PET is suitable for use within 9 months from the date of dispatch

Disclaimer : The information provided above is based on COSMO FILMS conclusive tests, which are indicative only and provided as guidelines. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications.

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