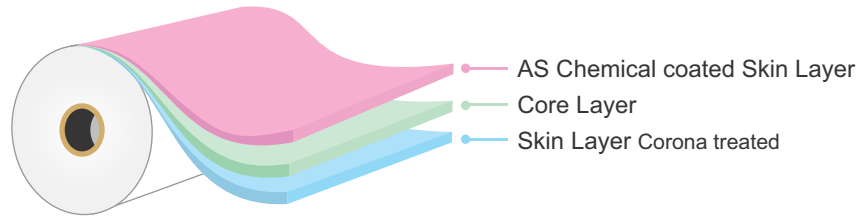


# BOPET-Transparent Twist Grade Film

## TGF-1

### Structure



### Description

CF-B1-TGF is a co-extruded, transparent BOPET film. The film is one side AS coated & other side corona treated. Do not print on coated side.

### Features

- High mechanical strength & durability.
- Good Clarity and transparency
- Excellent machinability properties
- Good thermal & dimensional stability.
- Very low static charge, Zero memory.
- Excellent twist retention.

### Applications

- This film is specially designed and suitable for :
  - Twist wrap packaging for confectionery.
  - Twist wrapping both in hot & cold application.
  - Candy and Lollipops wrap application.

### Typical Values

Properties	Ref.	Units	ASTM#/Test Method	TGF-1				
Physical Data								
Average Thickness		micron	D-374-C	15	18	20	23	30
		gauge		60	72	80	92	120
		mils		0.6	0.7	0.8	0.9	1.2
Thickness Variation		% (±)		3				
Density		g/cc		1.4				
Average Substance		g/m²		21.0	25.2	28.0	32.2	42.0
Surface tension (min.)	CS/CT	dynes/cm	D-2578	48 / 52				
COF Kinetic (Max.)	A / B		D-1894	0.45				
Yield		m²/Kg	D-4321	47.62	39.68	35.71	31.06	23.81
		in²/lb		33480	27900	25110	21834	16740
Optical Data								
Haze (max.)		%	D-1003	3.5	4.0	4.0	4.5	4.5
Mechanical Data								
Tensile Strength	MD	kg/ cm²	D-882	2300	2300	2300	2200	2200
	TD			2400	2400	2400	2300	2300
Elongation	MD	%	D-882	110	115	115	125	125
	TD			85	90	90	100	100
Thermal Data								
Shrinkage (150°C/302°F, 30 min.)	MD	%	D-1204	22				
	TD			30				

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction CT : Corona Treated CS : Coated Side

**Storage & Handling :** Need to be stored in a warehouse below 30°C (95° F) and should not be exposed to direct sunlight, bright light sources or high humidity. If the material is stored in the recommended conditions, Films is suitable for use within 270 days from date of shipment.

FOOD CONTACT Cosmo Films complies with EU and FDA regulations on plastic materials used for food grade application.

**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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