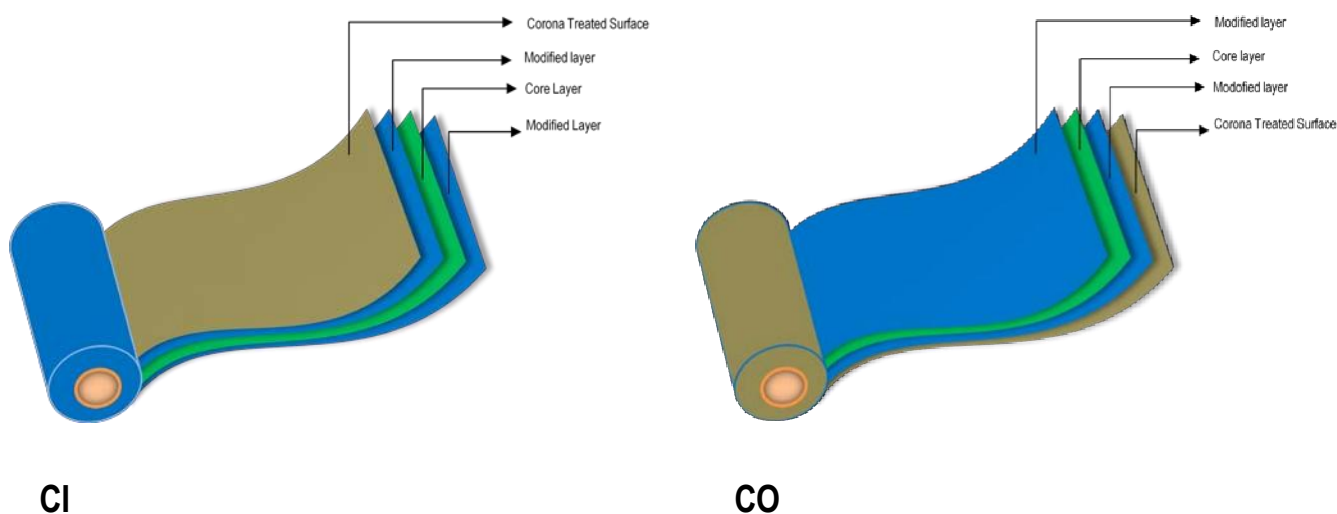

Product Name	Corona Treated Polyester Film
Product code	CO / CI
Type	CO – Corona side – wound out side CI – Corona side – wound inside

Layer Structure



Key Features

- UmaPET CO / CI have good transparency, excellent machine ability, high gloss and flexibility.
- One side corona treatment for improvement in adhesion of inks, adhesives and metal bodings in metallization.
- The film possesses good thermal, mechanical, optical and surface properties along with excellent transparency and dimensional stability.
- UmaPET CO / CI grade complies with US FDA, EC and REACH regulations for food contact application.

Applications

- The film is designed for use in printing, metallizing, coating and lamination processes which is widely used for flexible packaging applications.

Description: Corona Treated Polyester Film

Product code: CO / CI

Property		Test Method	Unit	Typical Value				
Physical								
Thickness		Internal	μ	8	10	12	15	
			gauge	32	40	48	60	
Yield		Internal	m ² /kg	90	71.4	59.5	47.6	
			ft ² /lb	440.18	349.21	291.00	232.80	
Mechanical								
Tensile Strength (min)		MD	ASTM D-882	Kg/cm ²	1900	1900	1900	1900
		TD			1900	1900	1900	1900
		MD	ASTM D-882	lb/in ²	27000	27000	27000	27000
		TD			27000	27000	27000	27000
Elongation (min)		MD	ASTM D-882	%	100	100	100	100
		TD			90	90	90	90
Surface								
Co-efficient of friction (Std. Vs Functional) (max)		St	ASTM D-1894	-	0.54	0.54	0.54	0.50
		Dy			0.48	0.48	0.48	0.44
Wetting tension (min)	Plain Side	ASTM D-2578	Dyne/cm	42	42	42	42	
	Corona side			54	54	54	54	
Optical								
Haze (max)		ASTM D-1003	%	3.0	3.0	3.5	3.5	
Thermal								
Shrinkage @ 150 °C and 30 minutes (max)		MD	ASTM D-1204	%	2.4	2.4	2.4	2.4
		TD			0.4	0.4	0.4	0.4

MD- Machine Direction; TD- Transverse Direction

The information contained herein is to be used only as a guide line for using UmaPET film. The specifications and characteristics mentioned are based on reliable test procedures. It is recommended for users of this film to make independent assessment by their own for its suitability to their specific end use prior to commercial usage. Ester Industries Ltd does not offer any guarantee on the results and does not accept any liability arising out of the use of the information contained herein.

Product Description: Corona Treated Polyester Film**Product code:** CO / CI

Property		Test Method	Unit	Typical Value				
Physical								
Thickness		Internal	μ	19	23	36	50	
			gauge	76	92	144	200	
Yield		Internal	m ² /kg	37.6	31	19.8	14.3	
			ft ² /lb	183.90	151.62	96.84	69.94	
Mechanical								
Tensile Strength (min)	MD	ASTM D-882	Kg/cm ²	1900	1800	1800	1700	
	TD			1900	1800	1800	1800	
	MD	ASTM D-882	lb/in ²	27000	25700	25700	24000	
	TD			27000	25700	25700	25500	
Elongation (min)	MD	ASTM D-882	%	100	110	110	110	
	TD			90	100	100	100	
Surface								
Co-efficient of friction (Std. Vs Functional) (max)		St	ASTM D-1894	-	0.54	0.54	0.54	0.50
		Dy			0.48	0.48	0.48	0.44
Wetting tension (min)	Plain Side	ASTM D-2578	Dyne/cm	42	42	42	42	
	Corona side			54	54	54	54	
Optical								
Haze (max)		ASTM D-1003	%	4.0	4.5	7.0	8.0	
Thermal								
Shrinkage @ 150 °C and 30 minutes (max)		MD	ASTM D-1204	%	2.4	2.0	2.0	2.0
		TD			0.4	0.4	0.4	0.4

MD- Machine Direction; TD- Transverse Direction

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