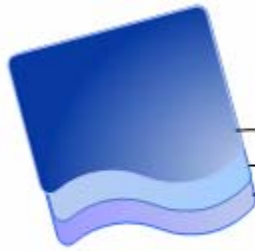


## HEAT SEALABLE FILM WITH ONE SIDE CORONA – HSCO



Sealable Surface  
Standard Surface  
Corona treatment

HSCO -Sealable surface wound inside,  
corona outside

### KEY FEATURES

- UmaPET HSCO is transparent film with one side heat sealable Co-extruded layer of special copolymer and other side corona treated. Corona treated side gives enhanced adhesion for printing and lamination.
- The special copolymer layer is design to heat seal onto itself as well as substrates such as A-PET, C-PET, Modified C-PET and A-PET coated boards.
- The film has excellent transparency, dimensional stability and barrier.
- The Film can be used for direct contact with food and complies with FDA regulation 21CFR177.1630 sections (f) and (g).

### APPLICATIONS

- Excellent in flexible packaging applications as sealant for products which need high aroma barrier like perfumed tissues, mosquito mats etc.
- Suitable for used in monolayer over wrap, temper evident packaging.
- Suitable for sealing cap liner for PET jars, see through lid for preformed PET trays, micro-oven able pouches for sandwich.

Property		Test Method	Unit	Typical Values			
<b>Physical</b>							
Thickness		Internal	Micron	<b>12</b>	<b>15</b>	<b>20</b>	<b>25</b>
Yield		Internal	m <sup>2</sup> /kg	59.5	47.6	35.7	28.6
<b>Mechanical</b>							
Tensile Strength MD		ASTM-D-882	kg/cm <sup>2</sup>	1800	1800	1750	1750
TD				1900	1900	1850	1850
Elongation MD		ASTM-D-882	%	100	100	100	100
TD				90	90	90	90
<b>Surface</b>							
COF		ASTM-D-1894	-	0.55	0.55	0.55	0.55
Static				0.45	0.45	0.45	0.45
Dynamic							
( Std. vs. Functional )							
Wetting Tension		ASTM-D-2578	Dyne/cm	44	44	44	44
Plain side				52*	52*	52*	52*
Corona Side							
<b>Optical</b>							
Haze		ASTM-D-1003	%	3.0	3.0	3.5	4.0
<b>Thermal</b>							
Shrinkage at		ASTM-D-1204	%	2.5	2.5	2.0	2.0
150 ° C/30'				0.4	0.4	0.4	0.4
MD							
TD							

<b>Heat Sealing</b>						
Seal Strength (Seal to seal surface) @ 140°C, 2s, 3 kg/cm <sup>2</sup> pressure	Internal	Gmf / inch	400	500	500	600

MD- Machine Direction; TD – Transverse Direction

\* → Up to 56, based on customer's requirement.

The information contained herein is to be used only as a guide for using UmaPET film. The specifications and characteristics mentioned are based on reliable test procedures. Users of this film should make independent assessment by their own for its suitability to their end use. 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.