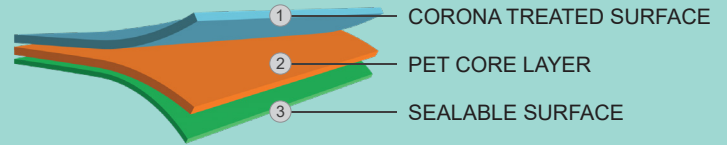




144ga HEAT-SEALABLE PET

144ga HEAT-SEALABLE PET - is a co-extruded, one side heat sealable film with high sealing strength & the other side is corona treated polyester film. The heat-sealable layer is designed to heat seal to itself, APET, PVC etc and is suitable for flexible packaging.



SR. NO	PROPERTIES	TEST METHOD	UNIT	TARGET	MINIMUM	MAXIMUM	
GENERAL							
1	Thickness	Internal	Micron	36	35.28	36.72	
			Guage	144	141.12	146.88	
2	Yield	Internal	in ² /lb	13,949	13,675	14,237	
3	Density	ASTM D 1505	gm/cc	1.395			
4	Roll Width	Internal	mm	- 0, + 3			
MECHANICAL							
1	Tensile Strength at break	ASTM D 882	Kg/cm ²	MD	2000	1800	2200
			(Kpsi)	TD	28.4	25.6	31.3
2	Elongation at break	ASTM D 882	%	MD	130	90	170
				TD	120	80	160
3	Co-efficient of friction One side to Other side	ASTM D 1894	-	Static	0.5	0.4	0.6
				Dynamic	0.45	0.35	0.55
4	Heat Seal Strength @120°C/ 2 Sec & 30N	Internal	gm/25mm	Seal to seal	1200	1000	1400
THERMAL							
1	Shrinkage @ 150°C/30'	ASTM D 1204	%	MD	1.6	1	2.2
				TD	0.4	0	0.8
2	Melting Point	Internal	°C	252	250	255	
OPTICAL							
1	Haze	ASTM D 1003	%	6.5	4.5	8	
2	Transmittance	ASTM D 1003	%	88	85	91	
SURFACE TREATMENT LEVEL							
1	Corona Treated Side	ASTM D 2578	Dyne/cm	54	52	56	
2	Sealable Side	ASTM D 2578	Dyne/cm	46	44	48	
BARRIER							
1	W.V.T.R. (38°C, 90% RH)	ASTM F 1249	gm/m ² /day	15	10	20	
			gm/100in ² /day	0.97	0.65	1.29	
2	O.T.R. (23°C, 0% RH)	ASTM D 3985	cc/m ² /day	50	40	60	
			cc/100in ² /day	3.23	2.58	3.87	

* MD = Machine Direction, * TD = Transverse Direction

Storage & Handling: Needs to be stocked in a closed warehouse & should not be exposed to direct sun light or light sources. Avoid extreme of humidity and heat. It is recommended to store below 40°C in dry places in original packing.

Food Contact: Complies with EC (EU 202/2014 & EU 10/2011) and FDA (21 CFR § 175.105 & 21 CFR § 175.300) regulations on packaging for direct contact with foodstuffs. Specific document and MSDS are available on request.

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