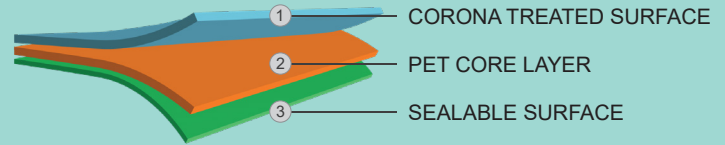




HEAT SEALABLE PET 48 GAUGE PET005

48ga HEAT-SEALABLE PET - is a co-extruded, one side heat sealable film & the other side is corona treated polyester film. The heatsealable layer is designed to heat seal to itself, APET, PVC, etc and is suitable for flexible packaging. This film is dual ovenable.



SR. NO	PROPERTIES	TEST METHOD	UNIT	TARGET	MINIMUM	MAXIMUM	
GENERAL							
1	Thickness	Internal	Micron	12	11.64	12.36	
			Gauge	48	46.56	49.44	
2	Yield	Internal	in ² /lb	41,847	40,630	43,140	
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	2100	1900	2300
			(Kpsi)	TD	29.9	27	32.7
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	350	250	550
THERMAL							
1	Shrinkage @ 150°C/30'	ASTM D 1204	%	MD	1.8	1.2	2.4
				TD	0.4	0	0.8
2	Melting Point	Internal	°C	252	250	255	
OPTICAL							
1	Haze	ASTM D 1003	%	3.5	2.5	4.5	
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	40	30	50	
			gm/100in ² /day	2.58	1.94	3.23	
2	O.T.R. (23°C, 0% RH)	ASTM D 3985	cc/m ² /day	100	80	120	
			cc/100in ² /day	6.45	5.16	7.74	

* 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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