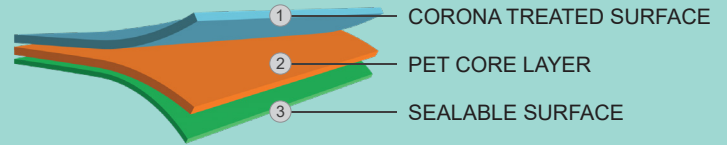




# 120ga HEAT-SEALABLE PET

**120ga 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	
<b>GENERAL</b>							
1	Thickness	Internal	Micron	30	29.4	30.6	
			Guage	120	117.6	122.4	
2	Yield	Internal	in <sup>2</sup> /lb	16,740	16,410	17,085	
3	Density	ASTM D 1505	gm/cc		1.395		
4	Roll Width	Internal	mm		- 0, + 3		
<b>MECHANICAL</b>							
1	Tensile Strength at break	ASTM D 882	Kg/cm <sup>2</sup>	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
<b>THERMAL</b>							
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	
<b>OPTICAL</b>							
1	Haze	ASTM D 1003	%	4.5	3	6	
2	Transmittance	ASTM D 1003	%	88	85	91	
<b>SURFACE TREATMENT LEVEL</b>							
1	Corona Treated Side	ASTM D 2578	Dyne/cm	54	52	56	
2	Sealable Side	ASTM D 2578	Dyne/cm	46	44	48	
<b>BARRIER</b>							
1	W.V.T.R. (38°C, 90% RH)	ASTM F 1249	gm/m <sup>2</sup> /day	20	15	25	
			gm/100in <sup>2</sup> /day	1.29	0.97	1.61	
2	O.T.R. (23°C, 0% RH)	ASTM D 3985	cc/m <sup>2</sup> /day	60	50	70	
			cc/100in <sup>2</sup> /day	3.87	3.23	4.52	

\* 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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