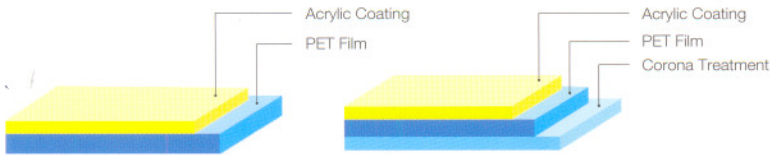


PETLAR PA grade is a Biaxially Oriented Transparent Polyester Film with one side acrylic coating. The acrylic coated surface provide better adhesion to inks, thereby superior printability. The acrylic coated surface is also recommended for surface printing. The other side of film surface can also be corona treated. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR PA grade conforms to EC 10/2011 directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 8 to 50 Micron (32-200 Gauge).

APPLICATIONS



- Flexible Packaging
Printing, Coating, Lamination
- Hot Filled Applications like Tomato Ketchup, Juices, etc
- Frozen Food Packaging
- Retort Packaging

Properties	Unit	Test Method	Product Code						
			PA0080	PA0100	PA0120	PA0230	PA0360	PA0500	
GENERAL									
Nominal Thickness	Micron		8	10	12	23	36	50	
Yield	Gauge	SRF Method	32	40	48	92	144	200	
	m ² /kg in ² /lb		90 62200	71 49000	60 41400	30 20700	20 13800	14.3 9800	
MECHANICAL									
Tensile Strength (min)	MD	ASTM D 882	kg/cm ²	1900	1900	1900	1900	1900	1900
			kpsi	27	27	27	27	27	27
TD	kg/cm ²		1900	1900	1900	1900	1800	1800	
	kpsi		27	27	27	27	26	26	
Elongation at Break (min)	MD	ASTM D 882	%	100	100	100	110	110	110
	TD		%	90	90	90	100	100	100
SURFACE									
Coefficient of Friction		ASTM D 1894	Static	0.55	0.55	0.55	0.50	0.50	0.50
			Dynamic	0.50	0.50	0.50	0.45	0.45	0.45
Surface Energy	Acrylic Side Plain Side Corona Side	ASTM D 2578	Dyne/cm	42	42	42	42	42	42
			44	44	44	44	44	44	
			52+	52+	52+	52+	52+	52+	
			52+	52+	52+	52+	52+	52+	
THERMAL									
Shrinkage (150°C, 30 min)	MD	ASTM D 1204	%	2.20	2.20	2.20	2.20	2.20	2.20
	TD		0.40	0.40	0.40	0.40	0.40	0.40	
OPTICAL									
Haze	%	ASTM D 1003	3.5	3.5	3.5	4.0	5.0	6.0	
Transmittance	%	ASTM D 1003	90	90	90	90	90	85	
BARRIER									
WVTR (38°C & 90% RH)	gm/m ² /day	ASTM F 1249	<60	<50	<40	<25	<17	<10	
	gm/100in ² /day		<3.8	<3.2	<2.5	<1.6	<1.1	<0.6	
OTR (23°C & 0% RH)	cc/m ² /day	ASTM D 3985	<140	<120	<100	<70	<50	<40	
	cc/100in ² /day		<8.8	<7.6	<6.3	<4.4	<3.2	<2.5	

- Notes:
- 1) Acrylic coated side is available wound inside/outside of the roll – customer to specify accordingly.
 - 2) Above properties can be modified to suit customer's requirement.
 - 3) Unless otherwise stated the above values are nominal.

DISCLAIMER

The information given above is to the best of our knowledge and experience. Some of the properties can be changed as a result of supplier's effort to improve upon the quality of production efficiency of the subject. The information is believed to be the true and accurate and is not intended to violate any statutory condition or right of third party. SRF makes no warranty, express or implied, as to the fitness of the product for any specific use or purpose. The above data is purely for the readers' consideration, investigation and verification and should be read in conjunction with the conditions for sale or contract.



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