

PETLAR PT grade is a Biaxially Oriented Transparent Polyester Film with no surface treatment. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR PT 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
- Metallizing
- Flexible Ducting

Properties	Unit	Test Method	Product Code					
			PT0080	PT0100	PT0120	PT0230	PT0360	PT0500
GENERAL								
Nominal Thickness	Micron Gauge	SRF Method	8 32	10 40	12 48	23 92	36 144	50 200
Yield	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	1900 27	1900 27	1900 27	1900 27	1900 27	1900 27
	TD		1900 27	1900 27	1900 27	1900 27	1800 26	1800 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	Static	ASTM D 1894	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	Dyne/cm	ASTM D 2578	44	44	44	44	44	44
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			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) Above properties can be modified to suit customer's requirement.
2) 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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