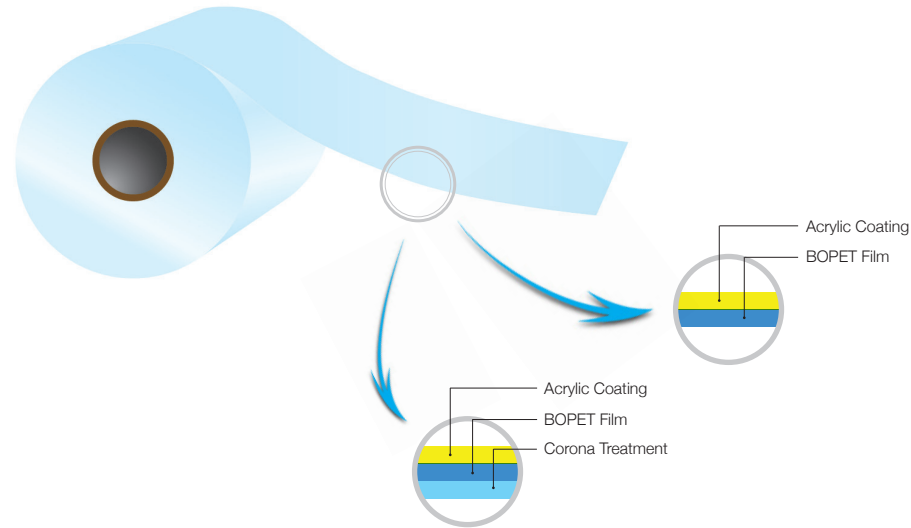


PETLAR-PA grade is a Biaxially Oriented Transparent Polyester Film with one side acrylic coating. The acrylic coated surface provide better adhesion to inks, thereby superior printability. The acrylic coated surface is also recommended for surface printing. The other side of film surface can also be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

PETLAR-PA grade conforms latest EC directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 8 to 75 Microns (32-300 Gauge).



APPLICATIONS

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

| Standard Roll Presentation - 6 Inch / 152 mm Core Diameter | | | | | | | | | |
|--|--------------------------|-----|-----|-----|-----|-----|-----|---------------------------------|-----|
| Thickness (Micron) | 8 | 10 | 12 | 23 | 36 | 50 | 75 | | |
| Length (Meters) | 3000 | | | | | 495 | 590 | Approx Outer Roll Diameter (mm) | |
| | 6000 | | | | 475 | 570 | 675 | | 810 |
| | 9000 | | | | 560 | 700 | | | |
| | 12000 | | | | 650 | 795 | | | |
| | 18000 | 485 | 535 | 580 | | | | | |
| | 24000 | 550 | 610 | 660 | | | | | |
| | 36000 | 660 | 735 | 795 | | | | | |
| | 42000 | | 800 | 850 | | | | | |
| Width Range | 400-2500 mm / 15-99 Inch | | | | | | | | |
| Customised specs also available on request | | | | | | | | | |

| Standard Roll Presentation - 3 Inch / 76 mm Core Diameter | | | | | | | |
|---|--------------------------|-----|-----|-----|-----|-----|---------------------------------|
| Thickness (Micron) | 10 | 12 | 23 | 36 | 50 | | |
| Length (Meters) | 3000 | | | | 400 | 460 | Approx Outer Roll Diameter (mm) |
| | 6000 | | | 450 | | | |
| | 9000 | 370 | 400 | 545 | | | |
| | 12000 | 425 | 455 | | | | |
| | 18000 | 515 | 560 | | | | |
| Width Range | 400-1500 mm / 15-59 Inch | | | | | | |
| Customised specs also available on request | | | | | | | |

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Kashipur: Plot No -12, Rampura, Ramnagar Road, Kashipur-244713, Distt. Udham Singh Nagar, Uttaranchal, India.

Rayong: D-20, Hemraj Eastern Seaboard Industrial Estate, 112, M003, Tambon Tasith, Amphur Pluakdaeng, Rayong Province 21140, Thailand.



Acrylic Coated Polyester Film

PETLAR-PA

| Properties | Unit | Test Method | Product Code | | | | | | | | | | | | |
|------------------------------|----------------------------|----------------------------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| | | | PA0080 | PA0090 | PA0100 | PA0110 | PA0120 | PA0150 | PA0190 | PA0230 | PA0300 | PA0360 | PA0500 | PA0750 | |
| GENERAL | | | | | | | | | | | | | | | |
| Nominal Thickness | Micron Gauge | SRF Method | 08 | 09 | 10 | 11 | 12 | 15 | 19 | 23 | 30 | 36 | 50 | 75 | |
| | | | 32 | 36 | 40 | 44 | 48 | 60 | 76 | 92 | 120 | 144 | 200 | 300 | |
| Yield | m ² /kg | | 90 | 80 | 72 | 65 | 60 | 48 | 38 | 31 | 24 | 20 | 14 | 9 | |
| | in ² /lb | | 63300 | 56300 | 50600 | 46000 | 42200 | 33700 | 26600 | 22000 | 16800 | 14000 | 10100 | 6700 | |
| MECHANICAL | | | | | | | | | | | | | | | |
| Tensile Strength (min) | MD | kg/cm ² kpsi | ASTM D 882 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 1900 | 1900 | 1900 | 1800 | |
| | | | | 29 | 29 | 29 | 29 | 29 | 29 | 27 | 27 | 27 | 27 | 26 | |
| | TD | kg/cm ² kpsi | | 2100 | 2100 | 2100 | 2100 | 2100 | 2100 | 2100 | 2000 | 2000 | 1900 | 1900 | 1700 |
| | | | | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 27 | 27 | 24 | |
| Elongation at Break (min) | MD | % | ASTM D 882 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 120 | 120 | 125 | 130 | |
| | TD | % | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 110 | 110 | 115 | 120 | |
| SURFACE | | | | | | | | | | | | | | | |
| Coefficient of Friction | Static | - | ASTM D 1894 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.40 | 0.40 | 0.40 | 0.35 | |
| | Dynamic | - | | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.35 | 0.35 | 0.35 | 0.30 | |
| Surface Energy | Plain Side | Dyne/cm | ASTM D 2578 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | |
| | Corona Side | | | 52+ | 52+ | 52+ | 52+ | 52+ | 52+ | 52+ | 52+ | 52+ | 52+ | 52+ | |
| | Acrylic Side | | | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| THERMAL | | | | | | | | | | | | | | | |
| Shrinkage (150°C, 30 min) | MD | % | ASTM D 1204 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | |
| | TD | | | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | |
| OPTICAL | | | | | | | | | | | | | | | |
| Haze | % | ASTM D 1003 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 4.0 | 4.0 | 5.0 | 6.0 | 7.0 | |
| Transmittance | | | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 85 | 85 | 80 | |
| BARRIER | | | | | | | | | | | | | | | |
| WVTR (38°C & 90% RH) | gm/m ² /day | ASTM F 1249 | <60 | <50 | <40 | <40 | <40 | <35 | <30 | <25 | <25 | <20 | <15 | <10 | |
| | gm/100in ² /day | | <3.8 | <3.2 | <2.5 | <2.5 | <2.5 | <2.2 | <1.9 | <1.6 | <1.6 | <1.3 | <0.9 | <0.6 | |
| OTR (23°C & 0% RH) | cc/m ² /day | ASTM D 3985 | <140 | <135 | <130 | <130 | <130 | <110 | <90 | <70 | <70 | <50 | <40 | <30 | |
| | cc/100in ² /day | | <8.8 | <8.4 | <8.1 | <8.1 | <8.1 | <6.9 | <5.6 | <4.4 | <4.4 | <3.1 | <2.5 | <1.9 | |

MD – Machine Direction | TD – Transverse Direction

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 known 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.