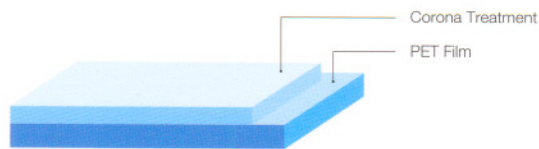


PETLAR PR grade is a Biaxially Oriented Transparent Polyester Film with one side corona treatment. The treated surface has higher surface energy which provides excellent adhesion to printing inks & laminating adhesives. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR PR 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 | | | | | |
|---------------------------|--|-------------|--------------|--------------|--------------|--------------|-------------|--------------|
| | | | PR0080 | PR0100 | PR0120 | PR0230 | PR0360 | PR0500 |
| GENERAL | | | | | | | | |
| Nominal Thickness | Micron | SRF Method | 8 | 10 | 12 | 23 | 36 | 50 |
| Gauge | | | 32 | 40 | 48 | 92 | 144 | 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) | | ASTM D 882 | | | | | | |
| MD | kg/cm ² kpsi | | 1900 27 | 1900 27 | 1900 27 | 1900 27 | 1900 27 | 1900 27 |
| TD | kg/cm ² kpsi | | 1900 27 | 1900 27 | 1900 27 | 1900 27 | 1800 26 | 1800 26 |
| Elongation at Break (min) | | ASTM D 882 | | | | | | |
| MD | % | | 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 | | ASTM D 2578 | | | | | | |
| Plain Side | Dyne/cm | | 44 | 44 | 44 | 44 | 44 | 44 |
| Corona Side | | | 52+ | 52+ | 52+ | 52+ | 52+ | 52+ |
| THERMAL | | | | | | | | |
| Shrinkage (150°C, 30 min) | | ASTM D 1204 | | | | | | |
| MD | % | | 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 gm/100in ² /day | ASTM F 1249 | <60 <3.8 | <50 <3.2 | <40 <2.5 | <25 <1.6 | <17 <1.1 | <10 <0.6 |
| OTR (23°C & 0% RH) | cc/m ² /day cc/100in ² /day | | ASTM D 3985 | <140 <8.8 | <120 <7.6 | <100 <6.3 | <70 <4.4 | <50 <3.2 |

- Notes:
- 1) Corona treated 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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