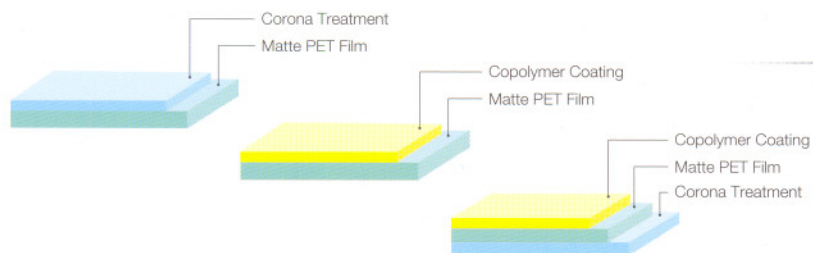


PETLAR PH grade is a Biaxially Oriented Transparent Polyester Film which provides excellent Matte effect. This grade is available with one side/ both side Matte effect. The film surface can be corona treated/chemical coated for better adhesion to printing inks & laminating adhesives. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR PH 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 12 to 36 Micron (48-144 Gauge).



APPLICATIONS

- Flexible Packaging (for Matte effect)
Printing, Coating, Lamination
- Metallizing
- Decorative Packaging

| Properties | Unit | Test Method | Product Code | | | |
|---------------------------|--|-------------|--------------|--------------|-------------|-------------|
| | | | PH0120 | PH0150 | PH0190 | PH0230 |
| GENERAL | | | | | | |
| Nominal Thickness | Micron | SRF Method | 12 | 15 | 19 | 23 |
| | Gauge | | 48 | 60 | 76 | 92 |
| Yield | m ² /kg in ² /lb | | 60 41400 | 48 33100 | 38 26200 | 30 20700 |
| MECHANICAL | | | | | | |
| Tensile Strength (min) | | ASTM D 882 | | | | |
| MD | kg/cm ² kpsi | | 1900 27 | 1900 27 | 1900 27 | 1900 27 |
| TD | kg/cm ² kpsi | | 1900 27 | 1900 27 | 1900 27 | 1900 27 |
| Elongation at Break (min) | | ASTM D 882 | | | | |
| MD | % | | 100 | 100 | 100 | 110 |
| TD | % | | 90 | 90 | 90 | 100 |
| SURFACE | | | | | | |
| Coefficient of Friction | | ASTM D 1894 | | | | |
| Static | - | | 0.55 | 0.55 | 0.55 | 0.50 |
| Dynamic | - | | 0.50 | 0.50 | 0.50 | 0.45 |
| Surface Energy | | ASTM D 2578 | | | | |
| Copolymer Side | Dyne/cm | | 58+ | 58+ | 58+ | 58+ |
| Plain Side | | | 44 | 44 | 44 | 44 |
| Corona Side | | 52+ | 52+ | 52+ | 52+ | |
| THERMAL | | | | | | |
| Shrinkage (150°C, 30 min) | | ASTM D 1204 | | | | |
| MD | % | | 2.2 | 2.2 | 2.2 | 2.2 |
| TD | | | 0.4 | 0.4 | 0.4 | 0.4 |
| OPTICAL | | | | | | |
| Haze (max) | % | ASTM D 1003 | 40 | 42 | 45 | 50 |
| Gloss at 60° | | | 45 | 45 | 40 | 40 |
| BARRIER | | | | | | |
| WVTR (38°C & 90% RH) | gm/m ² /day gm/100in ² /day | ASTM F 1249 | <40 <2.5 | <35 <2.2 | <30 <1.9 | <25 <1.6 |
| OTR (23°C & 0% RH) | cc/m ² /day cc/100in ² /day | | ASTM D 3985 | <100 <6.3 | <90 <5.7 | <80 <5.0 |

- Notes:
- 1) Corona/Chemical 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.