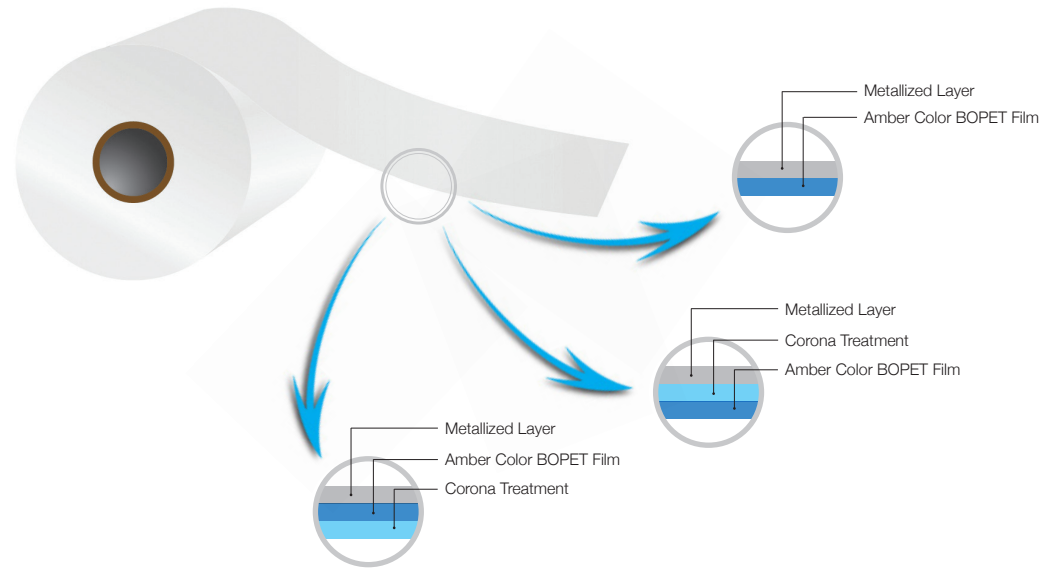


PETLAR-YGM grade is a Biaxially Oriented Gold Colour Polyester Film. This film is preferred over lacquer coated polyester film as it provides higher bond strength due to better thermal stability. This film is produced using coloured PET resin, thereby eliminating any possibility of contamination in case of food packaging.

PETLAR-YGM grade conforms latest EC directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 12 to 36 Microns (48-144 Gauge).



## APPLICATIONS

- Flexible Packaging  
*Printing, Coating, Lamination*
- Metallization
- Decorative Packaging

| Standard Roll Presentation - 6 Inch / 152 mm Core Diameter |       |                          |     |     |     |                                 |
|--|-------|--------------------------|-----|-----|-----|---------------------------------|
| Thickness (Micron)   |       | 12                       | 15  | 19  | 23  | Approx Outer Roll Diameter (mm) |
| Length (Meters)  | 6000  |                          |     | 440 | 475 |                                 |
|  | 9000  |                          | 480 | 525 | 560 |                                 |
|  | 12000 |                          | 540 | 600 | 650 |                                 |
|  | 18000 | 580                      | 650 | 715 |     |                                 |
|  | 24000 | 660                      | 740 |     |     |                                 |
|  | 36000 | 795                      |     |     |     |                                 |
|  | 42000 | 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)  |       | 12                       | 15  | 19  | 23  | Approx Outer Roll Diameter (mm) |
| Length (Meters)   | 6000  |                          |     | 415 | 450 |                                 |
|   | 9000  | 400                      | 450 | 500 | 545 |                                 |
|   | 12000 | 455                      | 515 | 580 |     |                                 |
|   | 18000 | 560                      |     |     |     |                                 |
| Width Range   |       | 400-1500 mm / 15-59 Inch |     |     |     |                                 |

*Customised specs also available on request*



### SRF Limited, Packaging Films Business

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**Indore:** Plot No C 1-8, C 21-30, Indore Special Economic Zone, Pithampur - 454775, Distt. Dhar, Madhya Pradesh, India.

**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.



| Properties                   | Unit                       | Test Method        | Product Code |         |         |         |      |
|------------------------------|----------------------------|--------------------|--------------|---------|---------|---------|------|
|                              |                            |                    | YGM0120      | YGM0150 | YGM0190 | YGM0230 |      |
| <b>GENERAL</b>               |                            |                    |              |         |         |         |      |
| Nominal Thickness            | Micron                     | SRF Method         | 12           | 15      | 19      | 23      |      |
|                              | Gauge                      |                    | 48           | 60      | 76      | 92      |      |
| Yield                        | m <sup>2</sup> /kg         |                    | 60           | 48      | 38      | 31      |      |
|                              | in <sup>2</sup> /lb        |                    | 42200        | 33700   | 26600   | 22000   |      |
| <b>MECHANICAL</b>            |                            |                    |              |         |         |         |      |
| Tensile Strength (min)       | MD                         | kg/cm <sup>2</sup> | ASTM D 882   | 1900    | 1900    | 1900    | 1900 |
|                              |                            | kpsi               |              | 27      | 27      | 27      | 27   |
|                              | TD                         | kg/cm <sup>2</sup> |              | 1900    | 1900    | 1900    | 1900 |
|                              |                            | kpsi               |              | 27      | 27      | 27      | 27   |
| Elongation at Break (min)    | MD                         | %                  | ASTM D 882   | 100     | 100     | 100     | 110  |
|                              | TD                         |                    |              | 90      | 90      | 90      | 100  |
| <b>THERMAL</b>               |                            |                    |              |         |         |         |      |
| Shrinkage (150°C, 30 min)    | MD                         | %                  | ASTM D 1204  | 2.2     | 2.2     | 2.2     | 2.0  |
|                              | TD                         |                    |              | 0.4     | 0.4     | 0.4     | 0.4  |
| <b>OPTICAL &amp; BARRIER</b> |                            |                    |              |         |         |         |      |
| Optical Density*             |                            | -                  |              | 2.2     | 2.2     | 2.2     | 2.2  |
| WVTR (38°C & 90% RH)         | gm/m <sup>2</sup> /day     | ASTM F 1249        | <1.0         | <1.0    | <1.0    | <1.0    |      |
|                              | gm/100in <sup>2</sup> /day |                    | <0.06        | <0.06   | <0.06   | <0.06   |      |
| OTR (23°C & 0% RH)           | cc/m <sup>2</sup> /day     | ASTM D 3985        | <1.0         | <1.0    | <1.0    | <1.0    |      |
|                              | cc/100in <sup>2</sup> /day |                    | <0.06        | <0.06   | <0.06   | <0.06   |      |

\* As measured on Tobias Densitometer MD – Machine Direction | TD – Transverse Direction

Notes: 1) Metallized side is available wound inside/outside of the roll - customer to specify accordingly; 2) Metallization with Plasma Treatment for uniform and enhanced metal adhesion is available; 3) Above properties can be modified to suit customer's requirement; 4) Unless otherwise specified, the values given above are nominal.

## DISCLAIMER

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