

SEPEHR POLYMER SEPAHAN COMPLEX

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| Product | Polyethylene Terephthalate film |
| Grade | SPS-GPET-10 |

Product Description:

SPS-GPET-10 is a transparent polyester film
It is one side corona treated other side untreated

Application:

Outside printing & lamination
Lamination on films and paper without printing

Key Features:

- *Excellent clarity & transparency
- *Improved tensile & elongation properties
- *Excellent machinability & handling properties

| Properties | Technical value | | | | Unit | Test Method |
|--|-----------------|-------|-------|-------|----------------------------|-------------|
| Thickness | 10 | 12 | 23 | 36 | Micron | SPS |
| | 40 | 48 | 92 | 144 | Gauge | |
| Haze | 3.0 | 4.0 | 4.5 | 5.0 | % | ASTM D-1003 |
| Gloss | 118 | 115 | 110 | 110 | - | ASTM D-523 |
| Yield | 71.42 | 59.52 | 31.05 | 19.84 | m ² /Kg | SPS |
| | 50318 | 41934 | 21876 | 13978 | In ² /lb | |
| Tensile | 196 | 186 | 186 | 186 | Mpa TD | ASTM D-882 |
| | 186 | 176 | 176 | 176 | Mpa MD | |
| Elongation | 80 | 95 | 100 | 100 | % TD | ASTM D-882 |
| | 100 | 110 | 120 | 130 | % MD | |
| Linear Shrinkage (Min) (30 minute at 150°C) | <1.0 <3.0 | | | | % TD | ASTM D-1204 |
| | | | | | % MD | |
| Density | 1.4 | 1.4 | 1.4 | 1.4 | gm/cc | ASTM D-1505 |
| Grammage | 14.0 | 16.8 | 32.2 | 50.4 | gm/m ² | SPS |
| C.O.F (plain to plain) | 0.45 | 0.50 | 0.50 | 0.45 | - | ASTM D-1894 |
| O.T.R.(23°C & 0%RH) | 155 | 130 | 80 | 70 | cc/m ² /day | ASTM D-3985 |
| | 10.1 | 8.5 | 5.2 | 4.5 | cc/100in ² /day | |
| W.V.T.R.(38°C & 90%RH) | 50 | 45 | 30 | 20 | gm/m ² /day | ASTM F-1249 |
| | 3.2 | 2.9 | 2.0 | 1.3 | gm/100in ² /day | |
| Treatment Level (Corona treated side) | 60 | 60 | 60 | 60 | mN/m | ASTM D-2578 |

This film complies with the food standards. Full detail can be provided on request.

SPS CO film does not guarantee the typical values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. This Information relates only to specific material designated and may not be valid for such material used in combination with any other material or in any process.

SPS CO strongly suggest that before any vast usage, make sure to test our production first.