

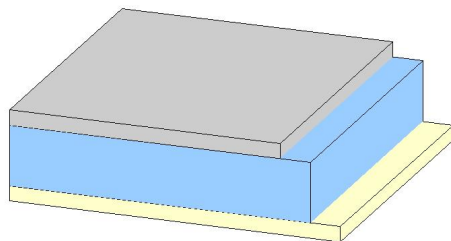


Polyfilm Polyplex Polyester Films

Type: HHS100 (heat sealable metallised, high o.d.) 30my

Polyfilm HHS100 is a coextruded one side metallised, other side heat sealable polyester film. The heatsealable surface is designed to seal to itself, thermoformed APET, CPET, unsaturated polyesters and paper. The heat sealable surface does not seal against polyolefins (PE, PP) and PS. HHS100 is not peelable.

Composition



- metal deposit
- core
- heat seal surface

Treatment

HHS100, Al metallised on plain surface, other side heat sealable

Typical Properties

Provisional data

| Property | Units | Nominal | Method | Conditions |
|-----------------------|-----------------------|---------|-----------------|------------|
| Mechanical Properties | | | | |
| Nominal thickness | μ | 30 | Polyplex Method | |
| Yield | m ² /kg | 23.8 | Polyplex Method | |
| Elongation at break | MD % | 145 | ASTM D-882 | |
| | TD % | 140 | | |
| Tensile strength | MD kg/cm ² | 1700 | ASTM D-882 | |
| | TD kg/cm ² | 1800 | | |

| Property | Units | | Nominal | Method | Conditions |
|--|--------------------------------------|---|---------|-----------------|--|
| Thermal Properties | | | | | |
| Heat shrinkage | MD | % | 1.6 | ASTM D-1204 | 150 Deg. C/30 minutes |
| | TD | % | 0.2 | | |
| Sealing Temperature Range | °C | | 130-200 | Polyplex Method | |
| Seal Strength (HS-HS) | Gm/25mm | | 600 | Polyplex Method | 140 Deg, 2 sec, ,3.0kg/cm ² |
| Surface Properties | | | | | |
| Co-efficient of friction static (metal to film) | | | 0.75 | ASTM D-1894 | |
| Co-efficient of friction dynamic (metal to film) | | | 0.65 | ASTM D-1894 | |
| Metal to film | gm/25mm | | 150 | Polyplex Method | |
| Optical Properties | | | | | |
| Optical Density | Gretag Macbeth (iCFilm) | | 2.7 | Polyplex Method | |
| Barrier Properties | | | | | |
| WVTR | gm/m ² /day | | 0.6 | ASTM F-1249 | 37.7 Deg, 90% RH |
| O2 Permeability | cm ³ /m ² /day | | 0.8 | ASTM D3985-95 | 23 Deg, 0% RH |

Disclaimer

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