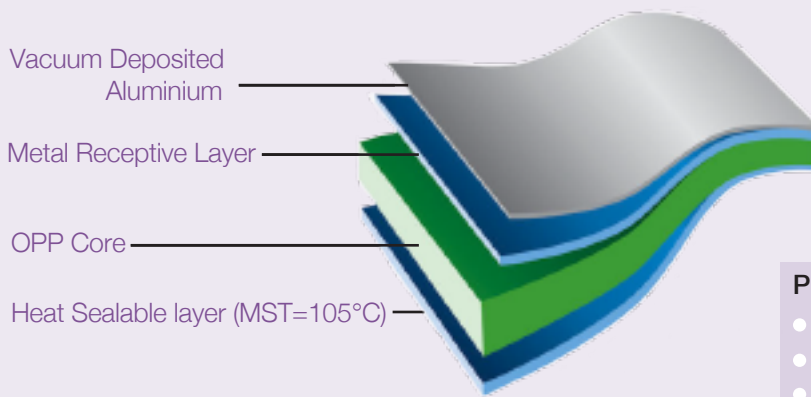


OPP Films

HS (H) Metallised



- Properties**
- Suitable for print and lamination
 - Superior machinability
 - Good heat seal strength
 - Good mechanical properties
 - Good oxygen barrier properties
 - Very good moisture barrier properties
 - High Light Barrier
 - Conforms to FDA Guidelines

Description

HS (H) Metallised is a bi-axially orientated polypropylene, one side heat sealable film with a vacuum deposited aluminium layer. This serves as a oxygen, moisture and light barrier and excellent machinability on high speed automatic packaging (HFFS & VFFS). Widely used on machines as a single web sheeting and as part of multi-layered laminated films.

| Properties | | Unit | Typical Values | | | | | Test Method |
|-------------------------|-----------|------------------------------------|----------------|------|------|------|--|--------------------------------|
| Thickness | | Microns | 15 | 18 | 20 | 30 | | Internal Method |
| Grammage | | gm/m ² | 13.7 | 16.4 | 18.2 | 27.3 | | GPIM |
| Optical Density | | | 2.0 | | | | | GPIM |
| Density | | % | 0.91 | | | | | Internal Method |
| Gloss (45°) | | | 45 | | | | | ASTM D 2457 |
| Tensile Strength | MD | N/mm ² | % 140 | | | | | ASTM D 882 |
| | TD | | 180 | | | | | |
| Elongation at Break | MD | % | 150 ± 30 | | | | | ASTM D 882 |
| | TD | | 50 ± 15 | | | | | |
| Coefficient of Friction | Film/Film | | ≤ 0.3 | | | | | ASTM D 1894 |
| Thermal Shrinkage | MD | % | ≤ 6.0 | | | | | OPMA TC4(a) |
| | TD | | ≤ 3.0 | | | | | |
| Oxygen Permeability | | cm ³ /m ² /d | 90 | | | | | ASTMD3985 23° 0% |
| Heat Seal Range | | °C | 105-140 | | | | | GPIM |
| Heat Seal Strength | Film/Film | g/cm | 160-260 | | | | | GPIM 130°C, 2.7 bar, 0.5sec |

Arrow Film Converters HS (H) White fully meets the EC Directive 94/62/EC, 2002/72/EC and USA FDA Code of federal regulations CFR21 section 177.1520 (Olefin Polymers) is suitable for food packaging.

The information contained in this brochure is to the best of our knowledge & experience. Since the conditions under which our products maybe used are beyond our control, recommendations are made without warranty or guarantee.

Bi-axially oriented polypropylene film ages with time and will exhibit deterioration of properties if it is not stored in a dry environment at a temperature 30 °C or below. We highly recommend our customers to use recommended storage conditions and consume product before 6 months from the date of production.