

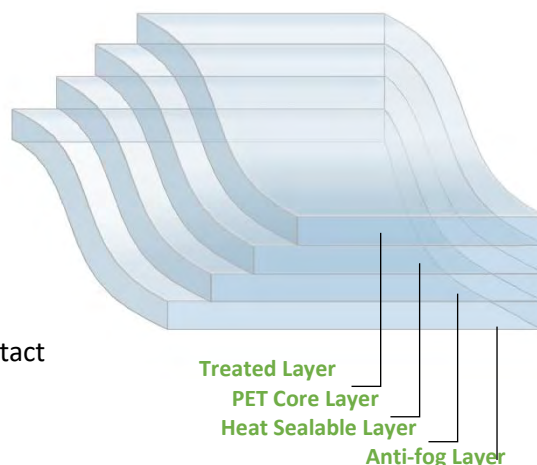
HSF4000W AF

Clear Heat Sealable (Weld Seal) Polyester Film - Antifog

HSF4000W AF is a durable clear, heat-sealable (weld seal) Anti-fog coated polyester mono film that offers high clarity, puncture resistance and dimensional stability. One side heat sealable and one side corona treated for high print definition. Ideal for those situations requiring a higher level of temperature resistance, for such applications as cooking or re-heating etc.

Features

- Anti-fog coating
- One side heat sealable & One side corona treated
- High resistance to tear
- Exceptional clarity, gloss and stiffness
- Exceptional machinability on a variety of machines
- Contains a maximum 25% recycled production polymer
- Contains NO post-consumer recycled material
- Complies with FDA and EU regulations for direct food contact
- Microwave and ovenable to Max. 200 °C for 30 mins



Typical Properties

- Weld seal to itself, APET, PETG, PVC, Aluminium, Paper, Steel and Glass
- Not suitable for sealing to PS, PP or PE
- Will withstand temperatures down to -75 °C

Typical Applications

- Suitable for printing, single ply or laminate applications
- Suitable for food and confectionary packaging or as a Lidding film and for packing Fresh, Cooked, Frozen or Refrigerated products, Horizontal & Vertical form fill and seal, **Fin seal only not lap seal**

Primary Markets

Ready Meals • Snacks • Sandwich Wraps • Frozen Foods • Baked Goods • Fruit & Vegetable Confectionery • Spices • Pet Food • Film Bags • Print & Lamination

Gauges Available

- 20, 25 and 30 micron

General Information

- Handling and Product Health and Safety details available on request
- Recommended to store in dry condition below 30 °C and above 18 °C
- Best used within 6 months of manufacture
- We recommend you let the film acclimatise in the production environment for 24 hours prior to use

Typical Properties

| Properties | Test Method | Unit | 20mu | 25mu | 30mu |
|-------------------------|-------------|--------------------------------------|-------------|-------|-------|
| Density | ASTM D792 | g/c cm ³ | 1.4 | | |
| Weight | | g/m ² | 28 | 35 | 42 |
| Yield | | m ² /kg | 35.71 | 28.57 | 23.81 |
| Sealing Temperature | | °C | 145 - 190 | | |
| Seal Strength | ASTM D882 | N/15 mm 120°C/1 sec | > 2 | | |
| Haze | ASTM D1003 | % | 5.0 | | |
| Gloss | ASTM D2457 | % | 120 | | |
| Tensile strength MD | ASTM D882 | N/mm ² | > 130 | | |
| TD | | | > 150 | | |
| Elongation MD | ASTM D882 | % | > 100 | | |
| TD | | | > 90 | | |
| Shrinkage MD | ASTM D1204 | % | < 3 | | |
| TD | | | < 0.7 | | |
| Coefficient of friction | ASTM D1894 | film to film | 0.25 - 0.45 | | |
| WVTR | ASTM F1249 | g/m ² /24h | <27 | <22 | <17 |
| OTR | ASTM D3985 | cm ³ /m ² /24h | <80 | <60 | <50 |

Polyester will start to soften at approx. 210 °C and will reach melt point around 260 °C

As all applications are subject to those conditions prevailing within specific applications, we recommend that a test be carried out to your satisfaction prior to full production.

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