F-HSP
HEAT SEALABLE FILM

F-HSP is a co-extruded polyester film. The film is one side Heat Sealable with other side either Corona Treated or Untreated.

**KEY FEATURES:**
- High clarity
- Excellent machinability & handling properties
- Seals to itself, APET, CPET, & PVDC
- Does not seal against PE, PP, or PS

**APPLICATION:**
- Tack seal application
- Food tray sealing

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### FILM STRUCTURE

<table>
<thead>
<tr>
<th>Heat Seal Layer</th>
<th>Core Layer</th>
<th>Skin Layer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Untreated / Corona Treatment</td>
<td>Core Layer</td>
<td>Skin Layer</td>
</tr>
</tbody>
</table>

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**APPLICATION:**
- Tack seal application
- Food tray sealing

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**FILM STRUCTURE**

- **FLEXPET TM F-HSP**
- **THICKNESS**
  - MD
  - TD
- **LINEAR SHRINKAGE (max)**
  - MD
  - TD
- **YIELD**
  - Internal
  - Micron
  - (Gauge)
- **SURFACE TENSION (min)**
  - ASTM D-2578
  - dyne/cm
- **COF (max)**
  - ASTM D-1894
  - (Corona Treated to Heat Sealable Surface)
  - (%)
- **HAZE (max)**
  - ASTM D-1003
  - (%)
- **TENSILE STRENGTH AT BREAK (min)**
  - ASTM D-882
  - kg/cm²
  - (Psi)
  - MD
  - TD
- **ELONGATION AT BREAK (min)**
  - ASTM D-882
  - (%)
  - MD
  - TD
- **LINEAR SHRINKAGE (max)**
  - (30 Minute at 150°C)
  - ASTM D-1204
  - (%)
  - MD
  - TD
- **HEAT SEAL TEMP. RANGE**
  - Internal
  - °C
- **SEAL STRENGTH (120°C, 1 sec. 2.8 bar)**
  - ASTM D-882
  - gm/25mm
- **MVTR (38° C & 90% RH) (typical)**
  - ASTM D-1249
  - gm/m²/day
- **OTR (23° C & 0% RH) (typical)**
  - ASTM D-3985
  - cc/m²/day
  - (cc/100 in²/day)

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**TECHNICAL DATA SHEET**

**BIAXIALLY ORIENTED POLYESTER FILM**

- The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

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**DISCLAIMER**

- It is the responsibility of our customer to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied.

- FlexFilms provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. FlexFilms reserves the right to change the technical data sheet at any time without prior notice.

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**FOOD CONTACT**

FlexFilms complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request.

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**STORAGE & HANDLING**

FlexFilms needs to be stored in a warehouse below 35 °C (95 °F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, FLEXPET™ is suitable for use within 270 days from the date of shipment.

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**Ref. No:** QAD UFLS S/20 - F - 37/1

**TDS issued on 01-04-2020. All previous version of this grade are invalid.**