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TECHNICAL PROPERTIES

PEMBAFLEX
EXTREMETHENE™

High Shrink

High-Shrink Polyethylene Film



PembaFlex EXTREMETHENE™ is an advanced high-shrink polyethylene film designed for applications requiring enhanced shrink response and tight, conformable packaging around grouped products.

The film provides a balance of high shrink performance, packaging stability, mechanical strength, flexibility and reliable sealing. It is suitable for applications where a tighter finished pack and improved conformity around the product are required.

PRODUCT APPLICATIONS

- Beverage multipack packaging
- Bottled water packaging
- Soft drink packaging
- Cans and canned products
- Collation and bundling
- Shrink-wrapping applications
- Retail-ready multipacks
- Secondary packaging
- Industrial bundling
- Food and consumer packaging
- Transport and storage packaging
- Promotional packaging
- Printed multipack packaging

FILM PROPERTIES

- Enhanced high-shrink performance
- Improved packaging conformity
- Strong shrink response
- Excellent load stability
- Reliable heat sealing
- Durable film structure
- Good tensile strength and elongation
- Tear and puncture resistance
- Flexible and easy to handle
- Suitable for high-volume packaging
- Good transparency and film appearance
- Suitable for printed packaging
- Available with slip and anti-block options
- Suitable for 3-layer polyethylene film structures
- Reduced material usage where downgauging is possible
- Suitable for demanding packaging applications

TECHNICAL DATA SHEET

PROPERTY	TESTING METHOD	SPECIFICATION
Thickness	ASTM D6988	30–100 µm
Haze	ASTM D1003	≤15%
Width	Internal Measurement	200–1,250 mm
Tensile @ Break	ASTM D882	≥20 MPa
Elongation @ Break	ASTM D882	≥400%
Dart Drop Impact	ASTM D1709	≥150 g
C.O.F.	ASTM D1894	0.20–0.35
Shrinkage – MD	ASTM D2732	10–20%
Shrinkage – TD	ASTM D2732	25–40%
Clarity	ASTM D1003 / Visual	Clear / High Clarity
Gloss	ASTM D2457	≥60 GU
Seal Performance	Application Dependent	To be confirmed

*Working targets require validation.

DISCLAIMER

The values stated in this Technical Data Sheet are working product specification targets for the **PembaFlex EXTREMETHENE™** film draft specification. Actual film performance may vary according to film thickness, resin formulation, layer allocation, processing conditions, machine configuration and end-use application.

Final resin grades, formulation, layer ratios, approved film gauges and finished-film test results require technical confirmation..