PEMBAFLEX
FLEXIBLE PACKAGING MADE EASY

+27 (0)79 590 7376
gordon@pembaflex.co.za
www.pembaflex.co.za

TECHNICAL PROPERTIES

PEMBAFLEX
LIQUIFLEX™

Extreme Seal

Liquid Form Fill & Seal Film



PembaFlex LiquiFlex™ is a polyethylene film designed for Form Fill & Seal (FFS) packaging applications where enhanced sealing performance and leak resistance are required. The film is engineered to provide a balance of flexibility, mechanical strength and reliable seal integrity for liquid and leak-sensitive products.

LiquiFlex™ is suitable for automated packaging applications where strong, consistent seals are required to help maintain package integrity during filling, handling, transport and storage.

PRODUCT APPLICATIONS

- Liquid FFS packaging
- Water-based products
- Oils and liquid food products
- Sauces and condiments
- Detergents and cleaning products
- Agricultural liquid products
- Industrial liquids
- Liquid concentrates
- Leak-sensitive packaging
- Retail and consumer packaging
- Automated continuous packaging
- Printed liquid packaging

FILM PROPERTIES

- Enhanced sealing performance
- High seal integrity
- Improved leak resistance
- Good seal strength
- Good flexibility
- Good tensile strength and elongation
- Good puncture and tear resistance
- Reliable machine feeding
- Good forming characteristics
- Suitable for automated FFS equipment
- Good film uniformity
- Suitable for continuous packaging operations
- Slip and anti-block options available
- Flexographic printing capability
- Application-specific thickness and width
- Suitable for polyethylene co-extruded structures

TECHNICAL DATA SHEET

PROPERTY	TESTING METHOD	SPECIFICATION
Thickness	ASTM D6988	30–150 µm
Haze	ASTM D1003	≤20%
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	0.20–0.40
Seal Strength	Application / Internal Method	≥15 N/25 mm
Hot Tack	Application / Internal Method	≥7 N/25 mm
Clarity	ASTM D1003 / Visual	Clear / Good Clarity
Gloss	ASTM D2457	≥50 GU

DISCLAIMER

The values stated in this Technical Data Sheet are intended as working product specification/target values for **PembaFlex LiquiFlex™ – Extreme Seal.**

Actual performance may vary according to film thickness, resin formulation, layer structure, additive package, sealing configuration, packaging machine conditions, liquid characteristics, filling conditions, processing conditions and end-use application.

Final resin grades, formulations, layer allocation, approved film gauges, seal requirements, film dimensions and product-specific test results should be confirmed against the approved PembaFlex product specification before final technical release.