PEMBAFLEX
FLEXIBLE PACKAGING MADE EASY

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TECHNICAL PROPERTIES

PEMBAFLEX
DRYFLEX™

Extreme Seal

Powder Form Fill & Seal Film



PembaFlex DryFlex™ is a polyethylene film designed for Form Fill & Seal (FFS) packaging applications involving powders and fine dry products. The film is engineered to provide enhanced seal performance, mechanical strength and reliable package integrity where powder containment and strong sealing are required.

DryFlex™ is suitable for automated packaging applications where dependable film feeding, forming and sealing are required for demanding powder and fine-product applications.

PRODUCT APPLICATIONS

- Powder FFS packaging
- Flour and baking products
- Fertiliser
- Agricultural powders
- Chemical powders
- Mineral powders
- Fine dry products
- Granular products
- Food powders
- Industrial powders
- Retail and consumer packaging
- Automated powder packaging
- Printed powder packaging

FILM PROPERTIES

- Enhanced sealing performance
- High seal integrity
- Good powder containment
- Strong and reliable seals
- Good tensile strength
- High elongation
- Good puncture resistance
- Good tear resistance
- Good flexibility
- Reliable machine handling
- Good forming characteristics
- Suitable for automated FFS equipment
- Good film uniformity
- 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	40–150 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	≥200 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 DryFlex™ – 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.