PEMBAFLEX
FLEXIBLE PACKAGING MADE EASY

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TECHNICAL PROPERTIES

PEMBAFLEX
LAMIFLEX™ HEAVY

Heavy-Duty Lamination

Heavy-Duty Polyethylene Lamination Film



PembaFlex LamiFlex™ Heavy is a polyethylene lamination film designed for industrial and demanding packaging structures requiring enhanced toughness, mechanical strength, impact resistance and durability.

The film is intended for applications where packaging may experience demanding filling, transport, stacking, handling or storage conditions.

PRODUCT APPLICATIONS

- Heavy-duty industrial packaging
- Industrial bags
- Bulk packaging
- Agricultural packaging
- Fertilizer packaging
- Industrial materials
- Construction materials
- Transport packaging
- Heavy products
- Packaging requiring high toughness
- Packaging exposed to demanding handling
- Protective industrial packaging

FILM PROPERTIES

- High toughness
- High mechanical strength
- Enhanced impact resistance
- Enhanced puncture resistance
- Good tear resistance
- Good tensile strength
- High elongation
- Good load-bearing performance
- Good flexibility
- Good sealing performance
- Suitable for demanding industrial applications
- Suitable for laminated structures

TECHNICAL DATA SHEET

PROPERTY	TESTING METHOD	SPECIFICATION
Thickness	ASTM D6988	50–250 µm
Haze	ASTM D1003	Application dependent
Width	Internal Measurement	200–1,250 mm
Tensile @ Break	ASTM D882	≥20 MPa
Elongation @ Break	ASTM D882	≥500%
Dart Drop Impact	ASTM D1709	≥400 g
Tear – MD	ASTM D1922	≥15 g/µm*
Tear – TD	ASTM D1922	≥20 g/µm*
C.O.F.	ASTM D1894	0.20–0.40
Seal Strength	ASTM F88/F88M	≥10 N/25 mm*
Lamination Bond	ASTM F904	Application dependent*

* Working targets requiring validation.

DISCLAIMER

The values stated in this Technical Data Sheet are **working product specification/target values** and are not certified PembaFlex laboratory results.

Actual performance may vary according to film thickness, resin formulation, layer structure, additive package, processing conditions, lamination system, substrate and end-use application.

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