PEMBAFLEX
FLEXIBLE PACKAGING MADE EASY

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TECHNICAL PROPERTIES

PEMBAFLEX
LAMIFLEX™ TOUGH

High-Strength Lamination

High-Strength Polyethylene Lamination Film



PembaFlex LamiFlex™ Tough is a polyethylene lamination film designed for packaging structures requiring enhanced mechanical strength, toughness and resistance to handling damage.

The film is designed for applications where the laminated packaging structure may experience higher impact, tearing, puncture or mechanical loading during filling, transport and handling.

PRODUCT APPLICATIONS

- Heavy-duty flexible packaging
- Industrial packaging
- Heavy-duty laminated bags
- Bulk packaging
- Agricultural packaging
- Construction-related packaging
- Transport packaging
- Packaging with demanding handling conditions
- Pouches requiring enhanced toughness
- Protective packaging

FILM PROPERTIES

- Enhanced mechanical strength
- High toughness
- Improved puncture resistance
- Good dart impact resistance
- Good tear resistance
- High tensile strength
- High elongation
- Good flexibility
- Good seal performance
- Suitable for demanding laminated structures
- Suitable for industrial applications

TECHNICAL DATA SHEET

PROPERTY	TESTING METHOD	SPECIFICATION
Thickness	ASTM D6988	50–200 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	≥300 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
All performance values are working targets until validated by PembaFlex.