



KUBER POLYFILMS

TECHNICAL DATA SHEET (TDS)

Nitrogen Flushing Grade Polyethylene (PE) Packaging Film

Kuber Polyfilms offers premium Nitrogen Flushing Grade Polyethylene Films specially engineered for Modified Atmosphere Packaging (MAP) and nitrogen flushed snack packaging applications. These films are designed to extend shelf life, preserve aroma and freshness, and provide excellent seal integrity for high-speed FFS and pillow pouch machines used in domestic and export markets.

Property	Unit	25 Micron	30 Micron	35 Micron	Test Method
Thickness	Micron	25 ± 5%	30 ± 5%	35 ± 5%	ASTM D374
Density	g/cm ³	0.92 – 0.94	0.92 – 0.94	0.92 – 0.94	ASTM D1505
Tensile Strength MD	MPa	≥ 20	≥ 22	≥ 24	ASTM D882
Tensile Strength TD	MPa	≥ 18	≥ 20	≥ 22	ASTM D882
Elongation at Break MD	%	≥ 300	≥ 350	≥ 400	ASTM D882
Elongation at Break TD	%	≥ 400	≥ 450	≥ 500	ASTM D882
Seal Strength	N/15mm	≥ 20	≥ 22	≥ 25	ASTM F88
Coefficient of Friction (COF)	-	0.2 – 0.4	0.2 – 0.4	0.2 – 0.4	ASTM D1894

Key Features:

- Optimized for Nitrogen Flushing & MAP snack packaging
- High seal strength and hermetic sealing performance
- Excellent clarity and printability (corona treated on request)
- Consistent gauge control for export machine compatibility
- Food-grade resin with low odour and low extractables
- Suitable for high-speed vertical & horizontal FFS machines

Typical Applications:

- Chips, Namkeen & Extruded Snacks
- Biscuits, Bakery & Rusk Packaging
- Dry Fruits, Nuts & Seeds
- Confectionery & Chocolates
- Pharmaceutical & Herbal Products

Food Contact & Regulatory Compliance:

- Manufactured using food-grade polyethylene resins
- Complies with IS 9833 (India – Food Contact Plastics)
- Complies with US FDA 21 CFR 177.1520 for food packaging
- Suitable for EU Regulation No. 10/2011 on plastic materials intended to come in contact with food
- Free from heavy metals and restricted substances as per RoHS guidelines

Export Classification:

HS Code (Harmonized System): **3920.10** – Plates, sheets, film, foil and strip, of polymers of ethylene

Country of Origin: India

Packaging: Export standard rolls with moisture-proof and edge-protected packing

Manufacturer & Exporter:

Kuber Polyfilms – New Delhi, India

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