



## KUBER POLYFILMS

### TECHNICAL DATA SHEET (TDS)

#### Food Grade 3-Layer Co-Extruded Polyethylene (PE) Film for Lamination

Food Grade 3-Layer Co-Extruded PE Film by Kuber Polyfilms is specially engineered for food and general-purpose packaging applications requiring superior lamination performance, sealing reliability and product protection. Manufactured using advanced three-layer co-extrusion technology, this film combines selected resin layers to deliver excellent strength, barrier properties and machinability while complying with stringent food safety standards.

Parameter	Specification
Structure	3-layer co-extruded PE film
Resin Composition	LDPE / LLDPE / HDPE / Metallocene blends
Application	Thermal, adhesive & extrusion lamination
Thickness Range	12 – 450 microns (customizable)
Width Range	Up to 2000 mm
Gauge Variation	< 4 %
Clarity / Opacity	High clarity (Transparent) / Controlled opacity & shine (White/Milky)
Sealing Strength	Good – suitable for laminated pouch structures
Corona Treatment	One side 42 dynes for printing & lamination
Slip Property (COF)	Optimized for smooth lamination & pouching

#### Key Features:

- Manufactured using 3-layer co-extruded technology for enhanced performance
- Suitable for thermal lamination, adhesive lamination, extrusion lamination and surface printing
- Under 4% gauge variation ensuring uniform lamination and pouch quality
- Excellent clarity and shine in transparent films; controlled opaqueness and gloss in white/milky films
- Good sealing strength on one side for reliable laminated structures
- Corona treated to 42 dynes on one side for excellent bond strength and print quality
- Optimum slip formulation for smooth processing and easy pouch opening
- Manufactured using Dowlex & Metallocene granules to prevent leakage and cracking of pouches
- 100% food grade raw materials – food grade certificates & migration test reports available on request

#### What is a Co-Extruded PE Film:

A co-extruded film is a multi-layer engineered structure composed of two or more resin layers combined in a single extrusion process. In 3-layer films, each layer is selected to deliver specific properties such as moisture barrier, puncture resistance, sealing performance and stiffness.

Common resins used include HDPE for stiffness and barrier, LLDPE for toughness, and Metallocene PE for strong seals, high hot tack and low temperature sealing.

**Typical End Uses:** Spices & masala packs • Biscuits & chocolates • Grains, pulses & noodles • Grocery & FMCG packaging • Fertilizers & seeds • Toys & auto components • General purpose laminated pouches

**Food Contact & Quality:** Manufactured using 100% food grade raw materials • Suitable for direct food contact • Migration & food grade test reports available on request

**Storage:** Shelf life 12 months • Store in cool, dry place away from heat & direct sunlight

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