



KUBER POLYFILMS

TECHNICAL DATA SHEET (TDS)

Low SIT Polyethylene (PE) Film for High Speed FFS Applications

Low SIT PE Film by Kuber Polyfilms is specially engineered for lightning-speed pouching operations on high-speed Form-Fill-Seal (FFS) machines. This specialized grade seals at significantly lower temperatures than conventional polyfilms, offering superior sealing strength, excellent hot tack and high productivity with reduced energy consumption.

Parameter	Specification
Material	LDPE / LLDPE with Dowlex & Metallocene blends
Application	High-speed FFS pouching & low temperature sealing
Thickness Range	20 – 120 microns (customizable)
Width Range	Up to 2000 mm
Gauge Variation	< 4 %
Seal Initiation Temperature (SIT)	20 °C lower than standard PE films
Hot Tack	High – suitable for lightning-speed pouching
Clarity / Opacity	High clarity (Transparent) / Controlled opacity & shine (White/Milky)
Sealing Strength	Superior – leak resistant
Corona Treatment	42 Dynes on one side for printing & lamination
Slip Property (COF)	Optimized for smooth run & easy opening

Key Advantages & Features:

- Seals at 20 °C lower temperature compared to normal polyfilm, reducing energy consumption
- Superior sealing strength for robust and leak-proof packaging
- Better hot tack value for excellent performance on high-speed FFS machines
- Suitable for lamination and surface printing applications
- Under 4% gauge variation ensuring uniform pouch quality
- Excellent clarity and shine in transparent films; controlled opaqueness and gloss in white/milky films
- Good sealing strength on one side for consistent pouch integrity
- Corona treated to 42 dynes on one side for excellent bond strength
- Optimum slip formulation for smooth machinability and easy pouch opening
- Manufactured using Dowlex & Metallocene granules to prevent leakage and cracking of pouches
- 100% food grade raw materials – food grade certificates & test reports available on request

Typical End Uses: Snacks & confectionery pouches • Dry food & powder packs • FMCG sachets • Pharmaceutical sachets • High-speed automatic packaging lines

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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