



KUBER POLYFILMS

TECHNICAL DATA SHEET (TDS)

Retort & Frozen Food Grade Polyethylene (PE) Film

Retort & Frozen Food Grade PE Film by Kuber Polyfilms is specially engineered for food packaging applications subjected to high-temperature retort sterilization and low-temperature frozen storage conditions. The film offers excellent thermal stability, cold temperature flexibility, strong seal integrity and reliable barrier performance to ensure safety, quality and extended shelf life of packaged food products.

Parameter	Specification
Material	LDPE / LLDPE with Dowlex & Metallocene blends
Application	Retort & frozen food pouch packaging
Thickness Range	40 – 150 microns (customizable)
Width Range	Up to 2000 mm
Gauge Variation	< 4 %
Temperature Resistance	-40 °C to +121 °C (retort grade)
Clarity / Opacity	High clarity (Transparent) / Controlled opacity & shine (White/Milky)
Sealing Strength	Good – suitable for high pressure & frozen conditions
Corona Treatment	One side 42 dynes for printing & lamination
Slip Property (COF)	Optimized for easy opening & smooth machine run

Key Features:

- Suitable for retort processing and frozen storage applications
- Under 4% gauge variation for uniform pouch quality and sealing reliability
- Excellent clarity and shine in transparent films; controlled opaqueness and gloss in white/milky films
- Good sealing strength to withstand retort pressure and frozen handling
- Corona treated to 42 dynes on one side for excellent ink and adhesive bond strength
- Optimum slip formulation for smooth machinability and easy pouch opening
- Manufactured using Dowlex & Metallocene granules to prevent leakage and cracking of pouches under thermal stress
- Maintains flexibility at freezing temperatures and stability at high retort temperatures
- 100% food grade raw materials – food grade certificates & migration test reports available on request

Typical End Uses: Frozen peas & vegetables • Ready-to-eat meals • Curries & gravies • Retortable food pouches • Ice cream & frozen dessert packaging

Food Contact & Quality: Manufactured using 100% food grade raw materials • Suitable for direct food contact • Retort & frozen grade performance validated • Test reports available on request

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

Manufacturer & Exporter: Kuber Polyfilms, New Delhi, India | Phone: +91-9953030444 | Email: info@kuberpolyfilms.com / exports@kuberpolyfilms.com | Website: www.kuberpolyfilms.com