



KUBER POLYFILMS

TECHNICAL DATA SHEET (TDS)

High Dart Impact Strength Polyethylene (PE) Film

High Dart Impact Strength PE Film by Kuber Polyfilms is specially engineered to provide exceptional puncture and impact resistance, as measured by ASTM D1709 dart impact testing. Manufactured using advanced formulations and processing techniques, this film offers extreme toughness, superior burst resistance and reliable performance in heavy-duty packaging, agricultural and construction applications.

Parameter	Specification
Material	LDPE / LLDPE with Dowlex & Metallocene blends
Application	Heavy-duty packaging & construction grade
Thickness Range	40 – 250 microns (customizable)
Width Range	Up to 2000 mm
Gauge Variation	< 4 %
Dart Impact Strength	High – as per ASTM D1709
Clarity / Opacity	High clarity (Transparent) / Controlled opacity & shine (White/Milky)
Sealing Strength	Excellent – suitable for heavy packs
Corona Treatment	42 Dynes/cm (single or both sides on request)
Slip Property (COF)	Optimized for easy opening & smooth machine run

Key Features:

- Exceptional dart impact strength for puncture and drop resistance
- Suitable for lamination or surface printing for 5 kg, 10 kg and 20 kg packing
- Under 4% gauge variation ensuring uniform pouch strength
- Excellent clarity and shine in transparent films; controlled opaqueness and gloss in white/milky films
- Excellent sealing strength to prevent bursting during filling and transit
- Corona treated to 42 dynes for superior ink and adhesive bond strength
- Optimum slip formulation for easy pouch opening and smooth machinability
- Manufactured using Dowlex & Metallocene granules to achieve high dart value and prevent pouch bursting during transit and drop testing
- 100% food grade raw materials – suitable for food packaging applications

Typical End Uses: Rice, atta, cement, milk powder, salt, sugar & detergent packaging • Heavy-duty industrial sacks • Frozen & pet food packs • Underslab vapor barriers • Greenhouse covers & agricultural films • Construction protective barriers

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

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

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