



KUBER POLYFILMS

TECHNICAL DATA SHEET (TDS)

Oxo-Biodegradable Polyethylene (PE) Film

Oxo-Biodegradable PE Film by Kuber Polyfilms is an environmentally conscious packaging solution manufactured using conventional polyethylene blended with oxo-biodegradable pro-degradant additives. These additives accelerate the oxidation process of the polymer when exposed to oxygen, heat and sunlight, leading to fragmentation of the polymer chains and subsequent biodegradation through microbial activity.

Parameter	Specification
Material	PE with oxo-biodegradable pro-degradant masterbatch
Application	Environment-friendly packaging films
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 pouching & bag making
Corona Treatment	42 Dynes on one side for printing & lamination
Slip Property (COF)	Optimized for easy opening & smooth machinability

Key Features:

- Oxo-biodegradable packaging solution using certified pro-degradant additives
- Degrades through oxidation followed by microbial action under environmental exposure
- Suitable for lamination and surface printing applications
- Under 4% gauge variation ensuring uniform film quality
- Excellent clarity and shine in transparent films; controlled opaqueness in white/milky films
- Good sealing strength for secure packaging
- Corona treated to 42 dynes on one side for excellent bond strength
- Optimum slip formulation for smooth processing and easy pouch opening
- Manufactured using 100% food grade raw materials – food grade certificates available on request

Typical End Uses: Environment-friendly carry bags • Food packaging • FMCG pouches • Retail packaging • General purpose eco-friendly packaging

Important Note: Oxo-biodegradable films are not compostable and should be disposed of in accordance with applicable local waste management regulations. Degradation performance depends on exposure conditions.

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