



## KUBER POLYFILMS

# TECHNICAL DATA SHEET (TDS)

### Agricultural Mulch Film (Polyethylene Mulching Film)

Mulch Film by Kuber Polyfilms is a high-performance agricultural polyethylene film designed to improve crop yield, control weed growth, conserve soil moisture, regulate soil temperature, and enhance overall plant health. The film is UV stabilized and suitable for use in open fields, greenhouses, and horticulture applications.

Property	Unit	Typical Value	Test Method
Thickness Range	Micron	20 – 100 (and above on request)	ASTM D374
Density	g/cm <sup>3</sup>	0.92 – 0.94	ASTM D1505
Tensile Strength MD	MPa	≥ 18	ASTM D882
Tensile Strength TD	MPa	≥ 16	ASTM D882
Elongation at Break MD	%	≥ 300	ASTM D882
Elongation at Break TD	%	≥ 400	ASTM D882
UV Stabilization	Hours	1000 – 3000 (as per grade)	Internal Method
COF	-	0.2 – 0.4	ASTM D1894

#### Key Features:

- Controls weed growth and reduces herbicide usage
- Conserves soil moisture and reduces irrigation requirement
- Regulates soil temperature for better root development
- UV stabilized for long outdoor service life
- Improves crop yield and quality
- Easy installation and removal after harvest
- Available in black, silver-black, transparent, and customized colours

#### Typical Applications:

- Vegetable and fruit cultivation
- Horticulture and floriculture
- Nursery and plantation crops
- Greenhouse and open field farming
- Drip irrigation based farming systems

#### Compliance & Storage:

- Manufactured from premium agricultural-grade polyethylene resins
- UV stabilized as per crop and climatic requirements
- Shelf Life: 24 months from date of manufacture (stored in original packing)
- Storage: Store in cool, dry place away from direct sunlight before use

**Manufacturer & Exporter:**

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