



KUBER POLYFILMS

TECHNICAL DATA SHEET (TDS)

VCI PE Film (Volatile Corrosion Inhibitor Polyethylene Film)

VCI PE Film by Kuber Polyfilms is a specialized corrosion protection packaging film designed to protect ferrous and non-ferrous metal components during storage and transportation. The film releases corrosion-inhibiting vapors that form a protective molecular layer on metal surfaces, preventing rust, oxidation, and tarnishing without the use of oils or greases.

Property	Unit	Typical Value	Test Method
Thickness Range	Micron	40 – 200	ASTM D374
Density	g/cm ³	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
COF	-	0.2 – 0.4	ASTM D1894
Corrosion Protection Period	Months	12 – 24 (sealed pack)	Internal Method

Key Features:

- Provides active corrosion protection for ferrous and non-ferrous metals
- Eliminates need for oils, greases, or desiccants
- Clean, dry and residue-free protection
- Easy identification of protected parts after unpacking
- Suitable for domestic and export packaging
- Available in transparent, blue and yellow colours

Typical Applications:

- Automotive components and spare parts
- Engineering and machined parts
- Bearings, gears, fasteners and tools
- Electrical and electronic components
- Export packaging for metal products

Compliance & Storage:

- Manufactured using premium food-grade and industrial-grade polyethylene resins
- VCI additives compliant with international corrosion protection standards
- Shelf Life: 24 months from date of manufacture (stored in cool, dry conditions)
- Storage: Store in original sealed packing away from direct sunlight and moisture

Manufacturer & Exporter:

Kuber Polyfilms – New Delhi, India

Phone / WhatsApp: +91-9953030444

Email (Domestic): info@kuberpolyfilms.com

Email (Exports): exports@kuberpolyfilms.com

Website: www.kuberpolyfilms.com