

PRODUCT – VCI Metal Barrier Film

Technical Specifications and Test Data

Thickness of Material = 250 gsm. 200 gsm and 150 gsm

- **Layer 1 – Metal Film – 12 microns**
- **Layer 2 – CO Extruded 3 layer LDPE Film – as required**
- **Layer 3 – VCI Coating – 15 gsm**
- **Property of product at 150 gsm is stated below.**
- Meets standard MIL B 131 where the product is fabric and fibre free , heat sealable structure useful as a barrier material limiting passage through itself of solids, liquids, semisolids, gases or forms of energy such as ultraviolet light, said structure comprising a first ply of a relatively tough, biaxially oriented film of organic polymer adhered to second ploy of metallic foil/coating and a third ply of a tough polymer such as polyethylene.

MECHANICAL				
Tensile strength (Min)	MD	D-882	Kg/cm ²	227
	TD	D-882	Kg/cm ²	210
Elongation (Min)	MD	D-882	%	480
	TD	D-882	%	500
Dart Impact Strength 66 cm Ht. 38 mm Dia at 50% Failure		ASTM-1709	GF	900
THERMAL				
Heat Seal Initiation Temperature		Internal	°C	130
Heat Seal Strength		Internal	gm/15 mm	2300-2700
BARRIER				
WVTR (38 °C & 90% RH)	Max	F-1249	gm/m ² /24h	≤15
OTR (23 °C & 0% RH)	Min	D-3985	cc/m ² /24h	≤30

Application

The product is used for packing of machines, auto parts, steel products etc. It is ideal to accompany Desiccants along with the bags to reduce humidity packed inside the packaging. Heat sealing of bag is preferred to reduce any new moisture entering the packaging.

Photographs

