

# TECHNICAL DATA SHEET

## MDOPE



### 1. IDENTIFICATION OF THE SUBSTANCE AND MANUFACTURER.

Product	MDOPE
Density	0.935g/m <sup>3</sup>
Name/brand of film blowing machine	3 layers co-extrusion film blowing machine Windmüller & Hölscher
Year it was installed	2015 & 2017 for each film blowing machine
Number of layers	3
Resins used in	MDO-PE Resins/MDPE
Specific resin name on the sealant layer	Metallocene PE

### 2. APPLICATION AND BENEFITS

Benefits	Applications
High rigidity, high resilience	Flexible pouch converting
Excellent printability	Packaging
Excellent optical properties (high transparency, high gloss)	Printing
Excellent die-cutting performance	etc

### 3. Appearance

Item	Requirements	Testing Method
Flatness	There shall be no deformation, wrinkles	Visual Inspection
Film Roll End Misalignment	No Effect on Use	Visual Inspection
Mosquitoes and Insects	Not Allowed	Visual Inspection

### 4. PHYSICAL AND CHEMICAL PROPERTIES.

Item		20µm MDO-PE	25µm MDO-PE	58µm MDO-PE
Tensile Strength(MPa)	MD	≥120	≥120	≥90
	TD	≤60	≤60	≤40
Elongation(%)	MD	≤150	≤150	≤200
	TD	≥500	≥500	≥400
Heat Seal Strength(N/15mm)		≥8	≥8	≥8
Coefficient of Friction		≤0.3	≤0.3	≤0.3
Wetting Tension		≥38	≥38	≥38
Haze		≤7	≤7	≤10

### 5. RANGE OF PRODUCTS

Item	Requirement
Width (fold diameter) mm	0~+5
Thickness µm (Variation, %)	±8

### 6. Mark, Packaging, Transportation, and Storage

Item	Requirements
Mark	Roll Label: Requires showing client's name, product name, PO number, thickness, number of meters, corona side, weight, date of production
	Pallet Mark: Client name, PO number, pallet number, product name, roll no., date of production, place of origin ( Mark: Made in China)
Packaging	Finished products are packed well with plastic film, supported and protected by plywood with foam at both ends, and plugged tightly with plastic plugs, and packed on pallets. Or the packaging form can be negotiated between supply and demand, but it must not be damaged during the transportation and storage process.
Transportation	When transporting, mechanical collision or contact with sharp objects should be prevented, and sun and rain should be avoided to ensure that the packaging is intact and the product is not being polluted.
Storage	Products should be stored in a clean, sanitary, dry, air circulation, temperature appropriate warehouse, not less than 1 meter from the heat source, shelf life of not more than one year from the date of production.

### 7. Sanitary Performance

The film should be no bad odor.
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