



Haide HOPE film - Laminated Recyclable Packaging Solution

Version HD-19TR1.2 Issuing date Mar 29, 2019



1. Introduction

Haide HOPE film is a transparent food grade polyethylene film produced by optimized biaxial stretching innovation with single or double sides corona processing. The product has good rigidity and printing performance by most up-to-date high speed rotogravure and flexo printing presses. It is a new type of flexible packaging film material to meet the era of recyclable plastic packaging with single material usage that 100% industrial recycle in large scale of application. It can be used as surface printing layer, which could be laminated with common extruded or cast LLDPE film after printing. It would also be used as a middle mechanical layer to laminated with BOPA, BOPET, EVOH or other materials and inner LLDPE film extruded or cast, to construct a functional structure of flexible film or pouches.

2. Characteristics

- a. Compared with traditional extruded blowing or casting LLDPE film, it has higher tensile strength and stiffness.
- b. Replace the function of BOPET and BOPA film in laminated flexible packaging
- c. Better transparency, glossiness, freezer condition puncture resistance, lower breaking rate;
- d. Good adaptability in post-processing by rotogravure printing, lamination and coating finish.

3. Application

HOPE - ink // LLDPE

HOPE - ink - Oxygen barrier coating // LLDPE

BOPET- ink // **HOPE** // LLDPE (or Barrier BOPET)

BOPA- ink // **HOPE** // LLDPE (or Barrier BOPA)

4. Successful cases

500mL~1L laundry liquid doypouch, original PET12//PA15//PE90~130,
Now we replace it with **HOPE30** // LLDPE80-120

Frozen food packaging, pillow pouch, original BOPET12//LLDPE80~130, or BOPA15//LLDPE60-120,
Now we replace them with **HOPE25** // LLDPE80-120

Snack food packaging, zipper doypouch, original BOPET12//VMPET12 or AL7//LLDPE60-100
Now we replace them with **HOPE20** - barrier coating (OTR<2) // LLDPE80-120

Qingdao Haide Packaging Corp

306 Wenchang Road, Licang District, Qingdao, Shandong China 266000

Tel: +86 532 6687 7996 Fax: +86 532 87066696 Email: global@haidecorp.com

www.haidecorp.com Instagram/Facebook: Haide_packaging



Haide HOPE film - Laminated Recyclable Packaging Solution

5. Converting Types after Lamination

Flat pouch, Pillow pouch, Gusset pouch, Zipper Doy pouch, Quad seal pouch, Box pouch, Lidding film, Rewind roll film, Wrapper, Liner

6. The thickness of the

18 / 20 / 25 / 30 / 40 microns

7. Typical physical properties of HOPE film

Physical Testing Item		Standard	Unit	Parameter		
Thickness		GB/T6672	μm	18	25	30
Density		GB/T0343	g/cm ³	0.925	0.925	0.925
Haze		GB/T2410	%	2.0	2.5	3.5
Gloss		GB/T8807	%	80	80	80
Surface tension		GB/T14216	mN/m	38	38	38
Tensile Strength	Longitudinal	GB/T1040.3	MPa	70	70	50
	transverse			150	150	100
Friction		GB/T10006	N	0.30	0.30	0.30

*Other important information

Stable function shelf life within 6 month under condition of below 25 degree Celsius storage and logistic condition.

Raw material and innovation supported by:



Mitsui Chemicals

SunChemical®
a member of the DIC group 

 **BOBST**

Food packaging converting in joint company Color Leader Packaging by Haide corp and Kanaoka (Japan)



Qingdao Haide Packaging Corp

306 Wenchang Road, Licang District, Qingdao, Shandong China 266000

Tel: +86 532 6687 7996 Fax: +86 532 87066696 Email: global@haidecorp.com

www.haidecorp.com Instagram/Facebook: Haide_packaging