

Oppalyte™ 52MH648

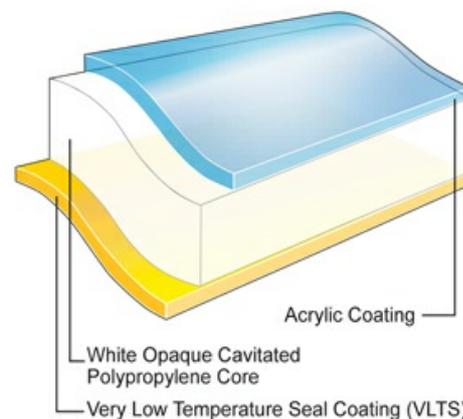
Oriented Polypropylene Film

Product Description

OPPalyte 52MH648 is a high-speed, super-white opaque, modified higher density, biaxially oriented polypropylene film, coated one side acrylic, one side very low temperature seal (VLTS) coating. VLTS coating provides excellent performance on high speed HFFS machines. Acrylic provides the aroma barrier and an excellent support for printing.

Key Features

- Exceptionally wide sealing range with a low minimum sealing temperature (MST)
- Robust performance on horizontal flowpack machines
- Excellent humidity seal retention on VLTS side
- Good aroma barrier
- Excellent stiffness
- Outstanding opacity, white background and reduced show-through
- Ideal support for normal ink systems
- Water based coatings



General

Availability

- ✓ Africa & Middle East
- ✓ Asia Pacific
- ✓ Europe

Features

- ✓ Acrylic Coated
- ✓ Flavor & Aroma Barrier
- ✓ Humidity Resistant
- ✓ Very Broad Seal Range
- ✓ Light Barrier
- ✓ Very Low Temperature Seal (VLTS) Coated

Applications

- ✓ Biscuits/Cookie/Crackers
- ✓ Confectionery, Gum
- ✓ Confectionery, Sugar
- ✓ Bakery
- ✓ Confectionery, Chocolate
- ✓ Health and Beauty Care
- ✓ Household and Detergents
- ✓ Crisps and Snacks
- ✓ Dry Foods and Beverage Powders
- ✓ Pet Food
- ✓ Ice Cream

Uses

- ✓ HFFS Flexible Packaging

Appearance

- ✓ White

Processing Method

- ✓ Solvent Flexographic Printing
- ✓ Solvent Rotogravure Printing
- ✓ Surface Print Unsupported

Revision date

 July 16, 2014

Properties

Property	Typical Value	Unit	Test Based On
Yield	26.0	m ² /kg	Internal Method
Unit Weight	38.5	g/m ²	Internal Method
Film Thickness	52	μ	Internal Method
Gloss(45°)	70		Internal Method
Light Transmission	22.0	%	Internal Method
Whiteness Index	90		Internal Method
Tensile Strength at Break <i>200 mm/min pull rate, 120 mm jaw separation</i>			
MD	105	Mpa	Internal Method
TD	185	Mpa	Internal Method
Dimensional Stability 135°C / 275°F, 7 min			
MD	-4.0	%	Internal Method
TD	-2.0	%	Internal Method
Elongation at Break <i>200 mm/min pull rate, 120 mm jaw separation</i>			
MD	170	%	Internal Method
TD	55	%	Internal Method
Elastic Modulus			
MD	1700	Mpa	Internal Method
TD	2800	Mpa	Internal Method
Seal Strength (ESM) <i>VLTS/VLTS</i>			
85°C, 0.034 Mpa, 2 sec	300	g/2.5 cm	Internal Method
Heat Seal Range <i>VLTS/VLTS</i>			
	70	°C	Internal Method
Coefficient of Friction			
Acrylic/Acrylic	0.25		Internal Method
VLTS/VLTS	0.40		Internal Method
Water Vapor Transmission Rate			
38°C, 90% RH	3.0	g/m ² /24 hr	Internal Method
23°C, 85% RH	0.50	g/m ² /24 hr	Internal Method
Oxygen Transmission Rate			
23°C, 0% RH	650	cm ³ /m ² /24 hr	Internal Method
Oxygen Transmission Rate (Wet)			
23°C, 75% RH	650	cm ³ /m ² /24 hr	Internal Method

Legal Statement

Contact your Jindal Films Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB). This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

- Acrylic and VLTS coatings are not seal compatible

Footnotes

1. Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete country availability.
2. Tested at 38°C (100°F)/100%RH, then calculated to 90%RH with .90 multiplier.
3. Sample dimensions and conditioning vary due to differences in equipment design.

Typical properties: these are not to be construed as specifications.

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