



RITRAMA
overlaminates

PRODUCT CODE: 3-1018


PRODUCT DESCRIPTION

1.0-mil high clarity polyester overlaminating film. This product is designed to protect and enhance visual images such as labels, decals and other identification pieces.

APPLICATIONS

- Decals
- Labels
- Product identification

FEATURES AND BENEFITS

- UL-Recognized product: file number MH14249. 
- High clarity

TECHNICAL DATA

Face Material	1.0 mil polyester
Color and Finish	High clarity
Adhesive	75, permanent acrylic
Liner	50# glassine bleached

TYPICAL CHARACTERISTICS

Average Adhesion Values	<u>15 min.</u>	<u>24 hr.</u>
(PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	2.9 lbs./inch	3.9 lbs./inch
Minimum Application Temperature	50°F	
Service Temperature Range	-65°F to +225°F	
Shelf Life (@ 73°F, 50% RH)	2 years	
Outdoor Life	2 years	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	No Effect
10% Ammonium Hydroxide (10 min)	No Effect
Gasoline (1 hr)	No Effect

The above information is based on research believed to be reliable, but does not constitute a warranty. All material should be tested by the purchaser to determine suitability of the product for their purposes.

June-05



PRODUCT CODE: 3-1020


PRODUCT DESCRIPTION

2-mil high clarity polyester overlaminating film. This product designed to protect and enhance visual images such as labels, decals and other identification pieces.

APPLICATIONS

- Decals
- Labels
- Product identification

FEATURES AND BENEFITS

- UL-Recognized product: file number MH14249. 

TECHNICAL DATA

Face Material	2.0 mil Polyester
Color and Finish	High clarity
Adhesive	75 permanent acrylic
Liner	50# glassine bleached

TYPICAL CHARACTERISTICS

Average Adhesion Values	<u>15 min.</u>	<u>24 hr.</u>
(PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	3.8 lbs./inch	4.9 lbs./inch
Minimum Application Temperature	50°F	
Service Temperature Range	-65°F to +225°F	
Shelf Life (@ 73°F, 50% RH)	2 years	
Outdoor Life	2 years	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	No Effect
10% Ammonium Hydroxide (10 min)	No Effect
Gasoline (1 hr)	No Effect

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June-05

overlaminates

RITRAMA



RITRAMA overlaminates

PRODUCT CODE: 3-1024


PRODUCT DESCRIPTION

1.0-mil UL recognized matte clear polyester overlaminating film. This product designed to protect and enhance visual images such as labels, decals and other identification pieces.

APPLICATIONS

- Decals
- Labels
- Product identification

FEATURES AND BENEFITS

- UL-Recognized product: file number MH14249. 

TECHNICAL DATA

Face Material	1.0 mil polyester
Color and Finish	Matte clear
Adhesive	75, solvent based permanent acrylic
Liner	50# glassine white

TYPICAL CHARACTERISTICS

Average Adhesion Values	<u>15 min.</u>	<u>24 hr.</u>
(PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	2.8 lbs./inch	3.7 lbs./inch
Minimum Application Temperature	50°F	
Service Temperature Range	-65°F to +225°F	
Shelf Life (@ 73°F, 50% RH)	2 years	
Outdoor Life	2 years	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	No Effect
10% Ammonium Hydroxide (10 min)	No Effect
Gasoline (1 hr)	No Effect

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June-05



RITRAMA overlaminates

PRODUCT CODE: 3-1658

PRODUCT DESCRIPTION

1-mil clear polypropylene overlaminates. The face film is non-treated, with write-on, write-off capability. May be used as a coupon base in the production of multi-layer promotional labels and coupons.

APPLICATIONS

- Decals
- Coupons
- Labels
- Point of purchase displays

FEATURES AND BENEFITS

- 1.0-mil clear non-treated polypropylene with 47 adhesive on a 50# bleached glassine liner.

TECHNICAL DATA

Face Material	1.0 mil polypropylene non-treated
Color and Finish	Gloss clear
Adhesive	47 permanent acrylic
Liner	50# glassine white

TYPICAL CHARACTERISTICS

Average Adhesion Values	<u>15 min.</u>	<u>24 hr.</u>
(PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	1.3 lbs./inch	1.7 lbs./inch
Minimum Application Temperature	50°F	
Service Temperature Range	-40°F to +180°F	
Shelf Life (@ 73°F, 50% RH)	2 years	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	No Effect
10% Ammonium Hydroxide (10 min)	No Effect
Anti-Freeze (24 hr)	No Effect
SAE 20 Motor Oil (24 hr)	No Effect

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Aug-07



PRODUCT CODE: 3-5042

PRODUCT DESCRIPTION

2-mil clear polypropylene top coated for excellent ink adhesion by a variety of print methods including UV screen, flexography, letterpress and gravure. This product is designed for in applications involving semi-rigid or rigid packaging. Good stiffness for high speed dispensing and diecutting.

APPLICATIONS

Rigid and Semi-rigid containers for:

- Health and beauty
- Household chemical
- No-label look labels
- Pharmaceutical
- Beverage applications

FEATURES AND BENEFITS

- Good printability
- High speed dispensing

TECHNICAL DATA

Face Material	2.0 mil polypropylene top coated
Color and Finish	Gloss clear
Adhesive	47 permanent acrylic
Liner	50# glassine white

TYPICAL CHARACTERISTICS

Average Adhesion Values	<u>15 min.</u>	<u>24 hr.</u>
(PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	23 oz.	31 oz.
Minimum Application Temperature	50°F	
Service Temperature Range	-40°F to +180°F	
Shelf Life (@ 73°F, 50% RH)	2 years	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	No Effect
10% Ammonium Hydroxide (10 min)	No Effect

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Jul-98

Form 108-01 (1/99)



PRODUCT CODE: 3-5333

PRODUCT DESCRIPTION

5.0 mil Floor Talkers™ matte clear scuff resistant vinyl with FG laminating adhesive provides protection to your graphics and slip resistance for your floor graphic advertising. Sold as a system product combined with 35334. UL-Classified product: file number SA12057.

APPLICATIONS

- Floor graphic advertising
- Protection for your graphics

FEATURES AND BENEFITS

- Scuff resistant
- 5.0 mil matte clear scuff resistant vinyl with FG adhesive on a 50# bleached glassine liner.

TECHNICAL DATA

Face Material	5.0 mil vinyl
Color and Finish	Matte clear scuff resistant
Adhesive	FG laminating adhesive
Liner	50# glassine bleached

TYPICAL CHARACTERISTICS

Target Adhesion Values	<u>15 min.</u>	<u>24 hr.</u>
(PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	120 oz.	150 oz.
Minimum Application Temperature	50°F	
Service Temperature Range	-40°F to +180°F	
Shelf Life (@ 73°F, 50% RH)	2 years	
Outdoor Durability	Indoor use only	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCL (10 min)	NA
10% Ammonium Hydroxide (10 min)	No Effect
Gasoline (1 hr)	No Effect

The above information is based on research believed to be reliable, but does not constitute a warranty. All material should be tested by the purchaser to determine suitability of the product for their purposes.

June-05



RITRAMA overlaminates

PRODUCT CODE: 3-7146

PRODUCTION DESCRIPTION

1-mil clear polyester overlaminating film. Designed to protect and enhance visual images such as labels, decals and other identification pieces. This product is offered on a film liner for excellent wet out characteristics.

APPLICATIONS

- Decals
- Labels
- Product identification

FEATURES AND BENEFITS

- 1 mil clear polyester with an overlaminating acrylic adhesive on a film liner.

TECHNICAL DATA

Face Material	1.0 mil Polyester
Color and Finish	Clear
Adhesive	Overlaminating solvent-based permanent acrylic
Liner	Film liner

TYPICAL CHARACTERISTICS

Target Adhesion Values	<u>15 min.</u>	<u>24 hr.</u>
(PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	2.3 lbs./inch	2.7 lbs./inch
Minimum Application Temperature	50°F	
Service Temperature Range	-65°F to +225°F	
Shelf Life (@ 73°F, 50% RH)	2 years	
Outdoor Life	2 years	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	No Effect
10% Ammonium Hydroxide (10 min)	No Effect
Gasoline (1 hr)	No Effect

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Feb-04



PRODUCT CODE: 3-7405

PRODUCTION DESCRIPTION

3.5-mil high gloss flexible vinyl is an economical vinyl that is ideal for general overlaminating.

APPLICATIONS

- Floor graphics
- General overlaminates
- Point of purchase displays

FEATURES AND BENEFITS

- 3.5-mil gloss clear flexible vinyl, 07UV permanent acrylic adhesive, 50# bleached glassine liner.

TECHNICAL DATA

Face Material	3.5-mil flexible vinyl
Color and Finish	Gloss clear
Adhesive	07UV overlaminating permanent acrylic
Liner	50# bleached glassine

TYPICAL CHARACTERISTICS

Average Adhesion Values (PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	<u>15 min.</u> 50 oz.	<u>24 hr.</u> 75 oz.
Minimum Application Temperature	50°F	
Service Temperature Range	-40°F to +180°F	
Shelf Life (@ 73°F, 50% RH)	2 years	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	N/A
10% Ammonium Hydroxide (10 min)	No Effect
Anti-Freeze (24 hr)	No Effect
SAE 20 Motor Oil (24 hr)	No Effect
Gasoline (1 hr)	Noticeable Lifting

The above information is based on research believed to be reliable, but does not constitute a warranty. All material should be tested by the purchaser to determine suitability of the product for their purposes.

Apr-02

Form 108-01 (1/99)



PRODUCT CODE: 3-7496

PRODUCT DESCRIPTION

2-mil clear polyester overlaminating film. This product designed to provide an economical, quality film to protect and enhance visual images such as labels, decals and other identification pieces. This product is offered on a 1.2-mil polyester liner for excellent wet out characteristics.

APPLICATIONS

- Decals
- Labels
- Product identification

FEATURES AND BENEFITS

- Economical, quality film
- 2.0-mil clear polyester with #22 acrylic adhesive on a film liner.

TECHNICAL DATA

Face Material	2.0 mil polyester
Color and Finish	Clear
Adhesive	Permanent acrylic, #22
Liner	1.2-mil polyester

TYPICAL CHARACTERISTICS

Average Adhesion Values (PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	<u>15 min.</u> 3.2 lbs./inch	<u>24 hr.</u> 3.9 lbs./inch
Minimum Application Temperature	50°F	
Service Temperature Range	-65°F to +225°F	
Shelf Life (@ 73°F, 50% RH)	2 years	
Outdoor Life	2 years	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	No Effect
10% Ammonium Hydroxide (10 min)	No Effect
Gasoline (1 hr)	No Effect

The above information is based on research believed to be reliable, but does not constitute a warranty. All material should be tested by the purchaser to determine suitability of the product for their purposes.

Dec-02



PRODUCT CODE: 3-7742

PRODUCTION DESCRIPTION

3.5-mil flexible frosty-clear vinyl is an intermediate vinyl overlamine film designed to protect and enhance images and graphics. Product is also designed to inhibit UV light absorption.

APPLICATIONS

- General overlaminates
- Decals
- Labels
- Point of purchase displays

FEATURES AND BENEFITS

- 3.5-mil frosty-clear flexible vinyl, 07UV adhesive, 50# glassine liner

TECHNICAL DATA

Face Material	3.5-mil flexible vinyl
Color and Finish	Frosty-Clear
Adhesive	07UV overlaminating permanent acrylic
Liner	50# bleached glassine

TYPICAL CHARACTERISTICS

Target Adhesion Values (PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	<u>15 min.</u> 65 oz.	<u>24 hr.</u> 90 oz.
Minimum Application Temperature	50°F	
Service Temperature Range	-40°F to +180°F	
Shelf Life (@ 73°F, 50% RH)	2 years	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	N/A
10% Ammonium Hydroxide (10 min)	No Effect
Anti-Freeze (24 hr)	No Effect
SAE 20 Motor Oil (24 hr)	No Effect
Gasoline (1 hr)	Noticeable Lifting

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Mar-04

Form 108-01 (1/99)



PRODUCT CODE: 3-7841
RI-121/200

PRODUCT DESCRIPTION

Ideal for long-term durability, this overlamine product is an excellent choice for high volume and extended floor graphics applications. This product is offered on a film liner for excellent wet out resistance. Use Media 3-9109 (Matte) or 3-7837 (Gloss) or 3-7836 (Gloss Clear) for better image enhancement.

APPLICATIONS

- Floor graphics
- Counter mats

FEATURES AND BENEFITS

- Clear scuff and slip resistant vinyl

TECHNICAL DATA

Face Material	5.0-mil Vinyl
Color and Finish	Slip Resistant Clear
Adhesive	FG, Permanent acrylic
Liner	1.2-mil polyester

TYPICAL CHARACTERISTICS

Target Adhesion Values (PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	<u>15 min.</u> 104 oz.	<u>24 hr.</u> 139 oz.
Minimum Application Temperature	50°F	
Service Temperature Range	-40°F to +180°F	
Shelf Life (@ 73°F, 50% RH)	2 years	
Outdoor Life	For indoor use only	
Flammability	Self-Extinguishing	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HC1 (10 min)	N/A
10% Ammonium Hydroxide (10 min)	No Effect
Gasoline (1 hr)	No Effect

The above information is based on research believed to be reliable, but does not constitute a warranty. All material should be tested by the purchaser to determine suitability of the product for their purposes.
Sep-09



RITRAMA overlaminates

PRODUCT CODE: 3-8270

PRODUCT DESCRIPTION

3.5-mil flexible luster clear vinyl is an intermediate vinyl overlaminate film designed to protect and enhance images and graphics. Product is also designed to inhibit UV light absorption.

APPLICATIONS

- Protection of images and graphics
- Point of purchase displays
- Promotional displays
- Product identification graphics

FEATURES AND BENEFITS

- Overlamine inhibits UV light absorption
- Protects your images and graphics

TECHNICAL DATA

Face Material	3.5-mil flexible vinyl
Color and Finish	Luster clear
Adhesive	07UV, overlaminating permanent acrylic
Liner	90# polycoated bleached layflat

TYPICAL CHARACTERISTICS

Average Adhesion Values	<u>15 min.</u>	<u>24 hr.</u>
(PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	50 oz.	75 oz.
Minimum Application Temperature	50°F	
Service Temperature Range	-40°F to +180°F	
Shelf Life (@ 73°F, 50% RH)	2 years	
UV Block (spectrophotometer)	100% 200 nm – 360 nm 80% 360 nm – 400 nm	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	No Effect
10% Ammonium Hydroxide (10 min)	No Effect
Anti-Freeze (24 hr)	No Effect
SAE 20 Motor Oil (24 hr)	No Effect
Gasoline (1 hr)	No Effect

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Sep-09



PERFORMANCE FLOOR TALKER PRODUCT CODE: 3-8621

PRODUCTION DESCRIPTION

Ideal for long-term durability, this overlamine product is an excellent choice for high volume and extended floor graphics applications. This product is offered on a film liner for excellent wet out and is UL-410 classified for slip resistance.

APPLICATIONS

- Floor graphics
- Counter graphics

FEATURES AND BENEFITS

- UL-Classified product: file number MH14249.
- 5.0-mil clear scuff and slip resistant vinyl.
- Laminates without silvering on most UV inkjet prints while maintaining a high bond

TECHNICAL DATA

Face Material	5.0-mil vinyl
Color and Finish	Slip resistant clear
Adhesive	FG, Permanent solvent
Liner	1.2-mil polyester

TYPICAL CHARACTERISTICS

Target Adhesion Values	<u>15 min.</u>	<u>24 hr.</u>
(PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	140 oz.	165 oz.
Minimum Application Temperature	50°F	
Service Temperature Range	-40°F to +180°F	
Shelf Life (@ 73°F, 50% RH)	2 years	
Indoor Life	Up to 1 year	
Outdoor Life	30 days	
Flammability	Self-Extinguishing	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	N/A
10% Ammonium Hydroxide (10 min)	No Effect
Gasoline (1 hr)	No Effect



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May-14



ULTRA LUSTER UV PRODUCT CODE: 3-8750

PRODUCTION DESCRIPTION

3.5-mil premium calendared vinyl consists of a flexible, semi-gloss film having excellent weathering and aging characteristics. Features a permanent acrylic adhesive with ultra-violet inhibitors. Ideal for use as an overlaminating film where a semi-gloss look is desired.

APPLICATIONS

- Decorative trim
- Production identification pieces
- Point of purchase displays
- Window decals

FEATURES AND BENEFITS

- 3.5 mil semi-gloss clear premium vinyl, permanent acrylic adhesive, 50# bleached glassine liner.

TECHNICAL DATA

Face Material	3.5-mil premium calendared vinyl
Color and Finish	Semi-gloss Clear
Adhesive	Permanent acrylic
Liner	50# bleached glassine

TYPICAL CHARACTERISTICS

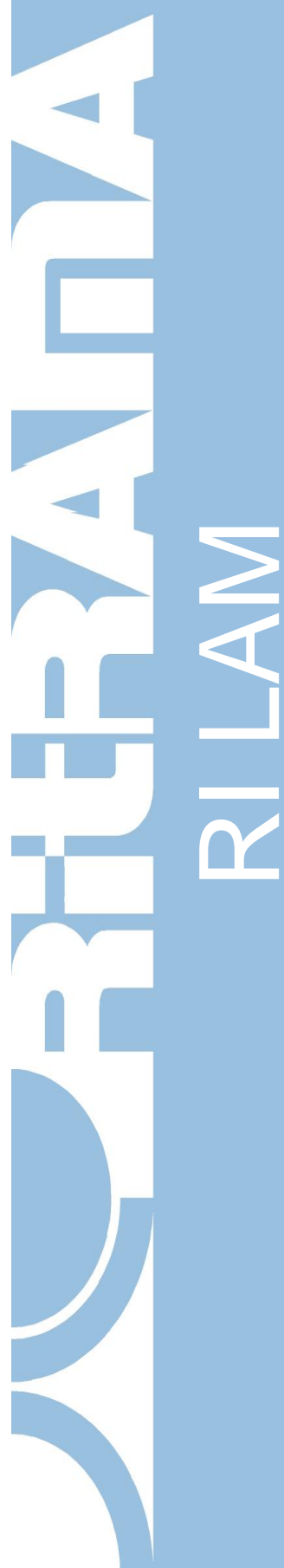
Average Adhesion Values (PSTC-1, 180° peel @ 12"/min., 73°F, on Stainless Steel)	<u>15 min.</u> 50 oz.	<u>24 hr.</u> 75 oz.
Minimum Application Temperature	50°F	
Service Temperature Range	-40°F to +180°F	
Shelf Life (@ 73°F, 50% RH)	2 years	
Outdoor Durability	5 years	

CHEMICAL RESISTANCE

Distilled Water (24 hr)	No Effect
Detergent (24 hr)	No Effect
10% HCl (10 min)	No Effect
10% Ammonium Hydroxide (10 min)	No Effect
Anti-Freeze (24 hr)	No Effect
SAE 20 Motor Oil (24 hr)	No Effect
Gasoline (1 hr)	No Effect

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Dec-10





ULTIMATE OPTICALLY CLEAR PRODUCT CODE: 3-8957

PRODUCTION DESCRIPTION

Product 3-8957 is a high gloss clear 2-mil cast vinyl film with a polyester liner, which can be used for overlaminating other vinyl films. The superb clarity of the cast vinyl film and of the acrylic adhesive are enhanced by the smooth polyester liner to keep the image sharp and clear.

APPLICATIONS

- Vehicle wraps
- Vehicle graphics
- Window graphics
- Protects and enhances images and graphics

FEATURES AND BENEFITS

- 2-mil cast vinyl film offers the maximum flexibility.
- Stabilized vinyl film offers excellent protection from UV radiation to enhance the weathering of the underlying graphics.
- The overlaminate adhesive wets out quickly to provide a clean image.

TECHNICAL DATA

Face Material	2 mil premium cast vinyl
Color and Finish	Clear – gloss
Adhesive	Permanent acrylic
Liner	1.2 mil polyester

TYPICAL CHARACTERISTICS

Average Adhesion Values (PSTC-1, 180° peel @ 12"/min., 73°, on stainless steel)	<u>20 min.</u> 32oz/in.	<u>24 hr.</u> 50oz/in.
Minimum Application Temperature:	50°F	
Service Temperature Range:	-50°F to 225°F	
Peak Value		
Shelf Life @ 73°, 50% RH:	2 years	
Dimensional Stability (48 hrs. @ 150°F)	0.01 inches	
Outdoor Life of film:	5 years	
60° Gloss	80 minimum	

CHEMICAL RESISTANCE

Distilled Water (24 hours)	No Effect
Detergent (24 hours)	No Effect
10% Ammonium Hydroxide (10 min)	No Effect
Gasoline (10 minutes)	No Effect
SAE 30 Motor Oil (10 minutes)	No Effect

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Jun-12