

3D Laminates by OMNOVA Solutions

3D Laminates by OMNOVA Solutions, also known as rigid thermofoils (RTF), can be membrane-pressed or vacuum-formed to contoured surface profiles. This eliminates the need for T-molding, edgebanding, visible seams and special edge treatments.

OMNOVA offers a color matching program that identifies which OMNOVA 3D Laminates closely approximate the color and/or grain of popular High Pressure Laminates (HPL) and Thermally Fused Laminates (TFL) to extend the color matching beyond just OMNOVA constructions.

Applications

- Cabinet doors & drawer fronts
- Furniture components
- Store & display fixtures
- Closet systems
- Textured wall panels
- Architectural elements

Markets

- Kitchen & bath
- Retail
- Hospitality
- Food service
- RV
- Closet & home storage
- Residential furniture

Benefits

DIMENSIONAL FLEXIBILITY

Easily conform to three-dimensional surfaces. Provide an attractive, seamless appearance well suited for cabinet doors and drawer fronts.

DURABILITY

Abrasion and scratch resistance provide a long-lasting “like-new” appearance.

CLEANABILITY

Easy clean-up – usually with just soap and water.

CUSTOMIZABLE

You can specify colors, patterns and embossings to quickly and easily create unique or differentiated products. To help you, OMNOVA offers our experienced, full service approach to custom design and production.

TFL COLOR MATCHING

OMNOVA's TFL Color Matching Program identifies which of our 3D Laminates closely approximates the color of a number of popular thermally fused laminates (TFL) available in today's market. To download a copy of our current Laminate Color Match Reference Guide, visit: www.omnova.com/laminates-matches.aspx.

TECHNICAL CAPABILITY

Our experienced associates can provide technical product information to assist you with your laminate selection. In addition, OMNOVA offers field technical support to aid process start-up and troubleshooting.

AVAILABILITY

STOCK products are available in low minimum order quantities for shipment. MAKE-TO-ORDER products are not maintained in inventory but can be custom ordered. OMNOVA's domestic production eliminates the long lead times caused by off-shore supply and helps reduce product development cycle times.

TYPICAL PROPERTIES

3D Laminates by OMNOVA Solutions

PRODUCT INFORMATION

Usable Film Widths*	50, 57" and 62" ± 0.5"
Film Thickness	8 - 16 mil (0.008 - 0.016") ± 5.0%
Roll Lengths	50 and 250 linear yards

* Actual film width is wider

TYPICAL PROPERTIES

Test Method	Value
Hoffman Scratch	1300 g
Burnish	Slight/moderate
NEMA Wear (final)	1000 (printed) / 3450 (solid)
NEMA Cleanability	19 / 16** (see below)
NEMA Ball Impact	3000 mm
Coating Adhesion	100%

KCMA CHEMICAL RESISTANCE (9.3)

Staining Agent	Results*
Vinegar	No Effect
Lemon Juice	No Effect
Grape Juice	No Effect
Orange Juice	No Effect
Tomato Ketchup	No Effect
Coffee	No Effect
Olive Oil	No Effect
Alcohol, 100 Proof	No Effect
Detergent Solution	No Effect
Mustard	Moderate Effect

* Results

No Effect = No discoloration or stain after cleaning immediately with water.
Moderate Effect = Slight stain or discoloration apparent after cleaning.
Severe Effect = Definite stain after cleaning, remaining after 14 days.

STAIN RESISTANCE** (See NEMA LD 3-2005 for full description.)

Cleaning Step Description (In order of use)	Staining Agent	Required Cleaning Step to Remove Stain	
		Printed	Solid
0 - Removed with water	Distilled Water	0	0
	Ethyl Alcohol / Water (50:50)	0	0
1 - 25 cycles spray cleaner or sponge	Acetone	5	5
	Household Ammonia	0	0
2 - 25 cycles baking soda plus spray cleaner on brush	Citric Acid 10%	0	0
	Vegetable Oil	0	0
3 - Acetone and cotton ball	Coffee	0	0
	Tea	1	0
4 - Bleach plus cotton ball	Tomato Ketchup	1	0
	Mustard	2	3
5 - Not removed	10% Iodine	2	3
	Black Permanent Marker	3	0
	#2 Pencil	1	1
	Wax Crayon	2	2
	Black Shoe Polish	2	2
	Total NEMA Cleanability Score	19	16

** Actual results may vary depending on color - lighter shades are more susceptible to staining.

Though OMNOVA Laminates can be used in many applications, all laminates are sold with the understanding that customers will make their own independent determination whether a particular laminate has the durability and other performance attributes required for the specific end use laminate application – not all laminates are suitable for all applications.

For the latest designs, more information or to place an order, contact OMNOVA Solutions:
866-332-5226 • laminates@omnova.com • www.omnova.com/laminates



World Headquarters
25435 Harvard Road
Beachwood, OH 44122-6201
United States
PHONE +1 216 682-7000
FAX +1 216 453-0104