



Decorative and Building Products

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**PRODUCT DESCRIPTION #418**

**Sales Designation: X645**

**Date: February 23, 2007**  
**Supercedes: August 12, 2003**

A. Description:  
 Food Safe Rigid PVC film designed for lamination to metal.

B. Properties:  
 The properties listed below are typical of X645-12375, 0.005", white film with suede embossing. Changes in gauge, flexibility, color or emboss may noticeably affect any of these properties. Formulated with materials classified for use as basic components of single and repeated use food contact surfaces in Title 21 of the Code of Federal Regulations. May contain trace amounts of non-FDA approved raw materials. This product description does not constitute a specification and no warranty is expressed or implied.

**PHYSICAL PROPERTIES**

<u>Property</u>		<u>Limits</u>	<u>Test Methods</u>
Gauge		0.005 +/- 5%	ASTM D1593
Width		PO Spec +/- 1/8"	Tape Measure
Specific Gravity		1.36	ASTM D792 (varies with color)
Tensile Strength	MD TD	4750 psi 4000 psi	ASTM D882, Method B
Elmendorf Tear	MD TD	30 gm/mil 45 gm/mil	ASTM D689
Dimensional Stability	MD TD	0.0% 0.0%	ASTM D1204 (- 1/2 hr. @ 212oF)
Volatility		0.3%	ASTM D1203B
Water Extraction		1.0%	ASTM D1004
Hexane Extraction		0.5%	QATM 006
Mineral Oil Extraction		0.6%	QATM 006
Flammability	Burn Time Char Length	10 seconds 4 inches	FTMS 191, Method 5903

<b>Testing</b>	<b>Sample Required</b>	<b>Results</b>
<b>Stelmax Sealant</b>	uPVC film	<b>Passed</b>
<b>Cleaners –</b> Decon Quat, Decon Clean, Decon Spore	uPVC film	<b>Passed</b>
<b>BS 3900, Part G -</b> Aspergillus versicolor, Aureobasidium pullulans, Cladosporium cladosporioides, Penicillium purpurogenum, Phoma violacea, Rhodotorula rubra, Sporobolomyces roseus, Stachybotrys chartarum, Ulocladium atrum	uPVC film	<b>Passed</b>

OMNOVA Solutions does not warranty or guarantee the performance of the finished laminate.