

STANDARD COATING

PHYSICAL PROPERTIES

| | Typical Test Results | Comments |
|---------------------|--------------------------|---|
| Paper Basis Weight | 30 and 45 gram | 60 and 80 gram also available |
| Paper Opacity | 50 and 97 | Dependent on paper grade and number of ink stages |
| Gloss | 15 to 40 (\pm 0.5) | 60-degree gloss meter, ASTM D 523 |
| Abrasion Wear Index | >90 cycles to first wear | Taber CS 10 – 500 g |
| MEK Resistance | >100 rubs | Based on MEK rub tester with double rubs |
| Scratch Resistance | 175 g | Modified Hoffman tester |
| Tape Release | 10 pulls | 3M #600 |
| Light Fast | >200 | QUV 351 |

24 HOUR STAIN RESISTANCE

| Staining Agent | Typical Test Result | Comments |
|----------------|---------------------------------------|---|
| Water | No appreciable discoloration or stain | Some types of board and glue will contribute to grain-raise |
| Lemon Juice | No appreciable discoloration or stain | |
| Grape Juice | No appreciable discoloration or stain | |
| Ketchup | No appreciable discoloration or stain | |
| Coffee | No appreciable discoloration or stain | |
| Vinegar | No appreciable discoloration or stain | |
| Mustard | Appreciable discoloration or stain | No appreciable discoloration or stain after 1 hour |
| Cooking Oils* | Appreciable discoloration or stain | May show stain after 1 hour |

* Olive oil is intended to represent most common cooking oils, grease and lightweight industrial oils.

Stain Test Conditions: 3 mL of staining agent applied at room temperature in a vertical position and allowed to stand for 24 hours prior to being cleaned. Laminating method, laminating adhesive, substrate board type, product handling and use environment can affect test results.

Care and Maintenance: To maintain the appearance and performance of our Paper Laminates, OMNOVA recommends that all foreign substances – such as oils, food, liquids, etc. – be promptly removed from the surface with a soft, water-moistened cloth followed by a dry, soft cloth. Cleaners like Formula 409®, PineSol® and similar cleaning products may damage the product and must be avoided. In addition, do not set hot items on the laminated surface to avoid the possibility of blistering.

Machining and Lamination: OMNOVA recommends that equipment used during the lamination process be clean and properly maintained – oil, solvents, etc. – transferred from the equipment can become trapped behind the paper substrate and cause unsightly bleed-through or discoloration of the laminate's surface. OMNOVA also recommends the use of carbide-coated cutting tools operated at high speeds to help reduce stress on the paper.

Disposal: OMNOVA recommends that local and regional regulatory agencies be consulted prior to disposal of process scrap.

Laminate Selection: Though our 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.*

Revised January 2009

2011 Rocky River Road
 Monroe, NC 28110
 704.289.6441 • Fax: 704.289.8182

866.332.5226
laminates@omnova.com
www.omnova.com/laminates