



SPECIFICATION INFORMATION STATIC DISSIPATIVE LAMINATE

1. PRODUCT IDENTIFICATION

NEVAMAR® Static Dissipative Laminate

2. MANUFACTURER

NEVAMAR DECORATIVE SURFACES
304 Hoover Street, North
Hampton, SC 29924
Phone: (803) 943-7200 or (800) 638-4380
www.nevamar.com

3. PRODUCT DESCRIPTION

Static Dissipative Laminates™

The unique characteristics of Nevamar Static Dissipative Laminate™ makes it ideally suited for a variety of electronically sensitive applications. The *new* enhanced product (patent pending) meets or surpasses all standards for electrical properties even at low humidity levels. The product also practically eliminates surface shedding to provide a tough, durable work surface that outlasts competitive materials.

Nevamar's exclusive Armored Protection™ reduces surface shedding to one-tenth that of conventional laminates and provides long-term resistance to surface abrasion and extends the life of the laminate by maintaining its surface texture.

Nevamar Static Dissipative Laminate Sheets

Laminate sheets are designed for permanent lamination to work station furniture surfaces and are individually certified and labeled to meet the specific electrical property requirements. They are available in vertical and horizontal postforming and general purpose grades.

Nevamar Static Dissipative Mats

Nevamar mats, featuring our exclusive Armored Protection™, are an inexpensive way to provide full static discharge protection in existing work stations without replacing furniture or tops. They are manufactured in a balanced construction and individually certified and labeled to meet specific electrical properties.

Color Availability

Sheets and mats are available in the following colors:

SN2064 Beige	ST6055 Graystone
SN2065 Almond	SW7028 White
ST6025 Gray	S 6074 Black

Textured Finish with Armored Protection is standard.

Sizes

Sheets are produced in 36", 48" and 60" widths stocked in 120" and 144" lengths (other widths in 96" available with 10 sheet minimum order). Nominal Thicknesses are 0.028", 0.039", and 0.059". Mats are produced in 36", 48", and 60" widths; 144" long. Nominal Thicknesses are 0.059", and 0.118".

30" widths is also available, cut at no charge. Order in multiples of 2.

Finish

T - Textured (ARP)



SPECIFICATION INFORMATION STATIC DISSIPATIVE LAMINATE

4. AVAILABILITY AND COST

NEVAMAR static dissipative laminates are available throughout the country from stocking distributors who are supported by NEVAMAR Customer Service Centers located in major trading centers.

5. MAINTENANCE

Clean Static Dissipative Laminate with good ammoniated detergent, rinsing with clear water. Do not use wax or other coatings since they may modify the electrical properties of the laminate.

6. LIMITATION OF WARRANTY AND LIABILITY

(a) We warrant solely to the original Buyer that the Products will be free from defects in materials and workmanship, when given normal, proper and intended usage, for a period of one year from the date of sale to the Buyer.

(b) At our expense, we agree to repair or replace at our option all defective Products not performing substantially in accordance with applicable Product specifications, provided that Buyer has given us written notice of such warranty claim within the one year warranty period. If we are unable, after reasonable efforts, to repair or replace such defective Product, Buyer's sole remedy shall be the refund of an amount not to exceed the actual payments received by us for such Product. All replaced items shall become our property.

(c) Buyer is responsible for inspection of the product upon receipt and prior to any cutting, gluing or attaching of the product to any other material ("Fabrication"). Any claim by Buyer for breach of warranty shall be deemed waived to the extent it could have been determined by such inspection and any claim by Buyer for breach of warranty shall also be deemed waived if, after the Buyer determines the existence of a possible claim, fabrication is not delayed until we have been notified and have had an opportunity to resolve it in accordance with this warranty.

(d) We shall have no obligation to make repairs, replacements or corrections which result, in whole or in part, from (i) normal wear and tear, (ii) fault or negligence of Buyer, (iii) improper or unauthorized use of the Products, (iv) use of the Products in a manner for which they were not designed, (v) modifications of the Products by anyone other than us, (vi) any act of nature, act of God, fire, casualty, flood or war, (vii) any other causes external to the Products, or (viii) use of the Products in combination with equipment or materials not supplied by us.

(e) If notified within 10 days in writing of any action (and all prior related claims) brought against Buyer based on a claim that a Product infringes any valid United States patent, copyright or trade secret, we shall defend such action at our expenses and pay all costs and damages finally awarded in such action or settlement which are attributable to such claim. We shall have sole control of the defense of any such action and all negotiations for its settlement or compromise. Buyer shall cooperate fully with us in the defense, settlement or compromise of any such action. In the event that a final injunction is obtained against Buyer's use of a Product by reason of infringement of a valid United States patent, copyright or trade secret, or if in our opinion any Product is likely to become the subject of a successful claim of such infringement, we may, at our option and expense, (i) procure for Buyer the rights to continue using the Product, (ii) replace or modify the Product so that it becomes non-infringing (so long as its functionality is essentially unchanged), or (iii) accept the return of the Product and refund the Buyer the purchase price therefore. We may withhold further shipments of any such Products.

(f) We shall not have any liability to Buyer to the extent that any infringement or claim thereof is based upon (i) the use of a Product in combination with equipment or materials not supplied by us where the Product would not itself be infringing, (ii) compliance with Buyer's designs, specifications or instructions, (iii) use of the Product in an application or environment for which it was not designed, (iv) modifications of the Product by anyone other than us, or (v) any claims of



SPECIFICATION INFORMATION STATIC DISSIPATIVE LAMINATE

infringement of any patent, copyright or trade secret in which Buyer or any affiliate or customer of Buyer has an interest or license.

(g) Buyer shall not bring any suit or action against us for any reason whatsoever more than one year after the related cause of action has accrued.

EXCEPT AS STATED ABOVE, WE DISCLAIM ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, WRITTEN OR ORAL, WITH RESPECT TO THE PRODUCT, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THE FOREGOING INDEMNIFICATION PROVISIONS STATE OUR ENTIRE LIABILITY WITH RESPECT TO INFRINGEMENT OR ALLEGED INFRINGEMENT OF PATENTS, COPYRIGHTS, TRADEMARKS, TRADE SECRETS AND OTHER INTELLECTUAL PROPERTY OR PROPRIETARY RIGHTS BY THE PRODUCTS.

OUR MAXIMUM LIABILITY ARISING OUT OF THE SALE OF THE PRODUCTS OR THEIR USE, WHETHER BASED UPON WARRANTY, CONTRACT, TORT OR OTHERWISE, SHALL NOT EXCEED THE ACTUAL PAYMENTS RECEIVED BY US IN CONNECTION THEREWITH. IN NO EVENT SHALL WE BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, OR LOSS OF USE DAMAGES, ARISING HEREUNDER OR FROM THE SALE OF THE PRODUCTS.

Consumers who purchase our Products for personal or household use may have other rights, which will vary from state to state or, in Canada, from province to province. Federal law and some states law do not permit the disclaimer or modification of implied warranties for consumers, but may permit limitation of the duration of the implied warranties for consumers. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages. Therefore, the above warranty limitations may not apply to you.

7. TECHNICAL SERVICES

Nevamar maintains trained sales personnel servicing all sections of the country. Consult local telephone yellow page directory under "Plastic High Pressure Laminates" or contact Nevamar Decorative Surfaces, One Nevamar Place, Hampton, South Carolina 29924.

Phone: (803) 943-7200 or (800) 638-4380

Website: www.nevamar.com

ELECTRICAL PROPERTIES		
Test	Relative Humidity	Electrical Results
Point to Point Resistance ¹	60% - 40% 40% - 20% 20% - 10%	10 ⁶ to 1 x 10 ⁷ ohms 10 ⁷ to 1 x 10 ⁸ ohms 10 ⁸ to 10 ⁹ ohms
Point to Ground Resistance ¹	60% - 40% 40% - 20% 20% - 10%	10 ⁶ to 1 x 10 ⁷ ohms 10 ⁷ to 1 x 10 ⁸ ohms 10 ⁸ to 10 ⁹ ohms
Volume Resistance ²	60% - 30% 30% - 10%	10 ⁷ to 1 x 10 ⁸ ohms 10 ⁸ to 10 ⁹ ohms
Static Decay ³	50% 10%	0.01 sec 0.02 sec
¹ Per EOS/ESD - S 4.1 ² Measured Face to Back at 72°F, 100 V with a LCD Megohmmeter, Item No. 19770, NFPA Electrodes (2.5 inch diameter, 5 pounds) ³ FTMS 101C, Method 4046		



SPECIFICATION INFORMATION STATIC DISSIPATIVE LAMINATE

PHYSICAL PROPERTIES												
Wear Resistance Solid Colors (NEMA LD3 current edition)												
<u>Physical Properties</u> Typical NEMA Value	<u>Static Dissipative Armored Protection™ Surface</u> 1000 cycles	<u>Conventional Laminate</u>										
Typical Rate of Wear (weight loss per 100 cycles abrasion)	.006 gm/100 cycles	400 cycles .080 gm/100 cycles										
<ul style="list-style-type: none"> • Laminate performance properties meet or exceed NEMA LD 3 current edition standards for grade VGP, HGP, or HGS. Features Armored™ Protection Surface. • Laminate Types <table style="margin-left: 20px; border: none;"> <tr> <td>A28 Vertical Postforming</td> <td>0.028 +/- 0.004"</td> </tr> <tr> <td>A38 Horizontal Postforming</td> <td>0.039 +/- 0.005"</td> </tr> <tr> <td>A60 General Purpose</td> <td>0.059 +/- 0.005"</td> </tr> <tr> <td>AD6 Table Mat (two sided)</td> <td>0.059 +/- 0.005"</td> </tr> <tr> <td>AD7 Table Mat (good 2 side)</td> <td>0.118 +/- 0.005"</td> </tr> </table> • Surface Finish: Standard textured finish • Formability: Postformable within 1/2" to 3/4" radius depending on equipment and humidity. • Temperature Resistance: 350°F with no change per NEMA 3.6 • Chemical Resistance: Resistant to common solvents such as Acetone; 111 Trichloroethylene; Solder flux; Isopropyl Alcohol; Naphtha. • Bonding Procedure: Use standard contact or white glue adhesives and standard (NEMA) application procedures for High Pressure Decorative Laminates. • Maintenance: Clean Static Dissipative Laminate with good ammoniated detergent, rinsing with clear water. Do not use wax or other coatings since they may modify the electrical properties of the laminate. 			A28 Vertical Postforming	0.028 +/- 0.004"	A38 Horizontal Postforming	0.039 +/- 0.005"	A60 General Purpose	0.059 +/- 0.005"	AD6 Table Mat (two sided)	0.059 +/- 0.005"	AD7 Table Mat (good 2 side)	0.118 +/- 0.005"
A28 Vertical Postforming	0.028 +/- 0.004"											
A38 Horizontal Postforming	0.039 +/- 0.005"											
A60 General Purpose	0.059 +/- 0.005"											
AD6 Table Mat (two sided)	0.059 +/- 0.005"											
AD7 Table Mat (good 2 side)	0.118 +/- 0.005"											