



## Dimensionals by Sands®

### PRODUCT INFORMATION

H.W. Sands' Dimensionals by Sands® product line creates a three-dimensional look with a two-dimensional PVC inlay sheet.

#### Quick Reference

<b>Material:</b>	100% Virgin PVC with minimal dye additives
<b>Master Sheet Size:</b>	630mm (24.8") Width x 1448mm (57.0") Length
<b>Pattern Orientation:</b>	Pattern (if applicable) is parallel to the length of the Master Sheet Size
<b>Inlay Thickness:</b>	8 mils (+/- 10%)
<b>Color Choices: (†):</b>	13 standard patterns

(†) Custom patterns available upon request

### DESCRIPTION

H.W. Sands Corp. Dimensionals by Sands® is designed as a decorative inlay that provides a three-dimensional effect. The PVC sheet is placed between two core layers with overlays on the outside. Finished cards using this material will pass ISO/IEC7810, ISO/IEC7811, and ISO/IEC7813 requirements.

### PHYSICAL CHARACTERISTICS

Physical Characteristics	Method	Result
Specific Gravity	ISO1183	1.273 g/cm <sup>-1</sup>
Tensile Strength	ISO527	
Tensile Modulus	ISO527	Velocity 50 mm/min
Tensile Strength at Break	ISO527	10-13 MPa
Extension at Break	ISO527	90-130%
Shore Hardness A	ISO868	85-88
Shore Hardness D	ISO868	
<b>Immersion in Water 24 Hours</b>		
Plasticizer Loss		0.01%
Water Absorption		0.14%

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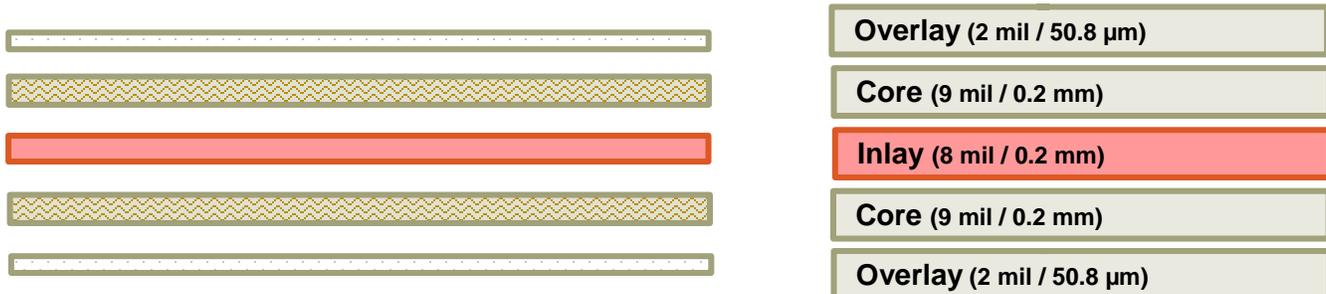
Last Revision 8.10.17

## PRODUCT LISTING

HWS No.	Pattern Name	Orientation
DDA5540	Oil Slick	Yes
DDA5560	Zebra	Yes
DDA5590	Silver Streak	Yes
DDA5760	Midnight Stone	No
DDA5770	Silver Stone	No
DDA5850	Glacier	Yes
DDA6120	Matrix	Yes
DDA6230	Iced Pearl	No
DDA6260	Iced Onyx	No
DDA6290	Iced Prism	No
DDA6570	Static	No
DDA7180	Kaleidoscope	No
DDA8130	Pearlescent Pools	No

## PRODUCT PROPERTIES

### Pre-Lam Construction 30 mil (0.762 mm)



## PROCESS RECOMMENDATIONS

**Printing:** Compatible with industry standard printing practices.

**Collation:** Hand or Automated Equipment

**Lamination:** The sheets can survive standard lamination processes of 270°F (132°C). Dimensionals by Sands® are self-bonding to other PVC substrates.

**Cutting:** Compatible with standard cutting equipment.

**All applications using this product should be thoroughly tested prior to approval for production.**

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