ALLEN6000

Three-layer extruded sheet product that offers weatherability, superior smooth finish and excellent depth of image while eliminating the need to paint.

Clear Acrylic Layer – depth of image, abrasion resistance, chemical resistance

Custom Colored Acrylic Layer – weatherability, vibrant colors, metallic options

ABS Substrate – impact resistance, excellent thermoforming properties

ALLEN6000 is designed for outdoor applications that require protection from UV exposure, but works great for indoor applications when specialty colors, metallic effects and depth of image are needed.

Potential markets include:

Agricultural & Heavy Equipment	**Automotive**	**Marine**
Recreational Vehicles	**Transportation (non automotive)**	**Sink & Bath**

Sizes and gauges available:

15” - 78” wide
.125” - .500” thick

For more information and details regarding custom color matching, please contact your Allen Sales Representative.

ALLEN
CUSTOM THERMOPLASTIC SHEET
1305 Lincoln Avenue, Holland, MI 49423
phone: 800.833.1305 fax: 800.832.5536 www.allenx.com

ALLEN*6000*

Technical Data

TYPICAL PROPERTIES	ALLEN6000	UNIT	STANDARD
MECHANICAL			
Tensile Stress at Yield, Type 1, 0.2"/min	5,000	psi	ASTM D 638
Tensile Stress at Break, Type 1, 0.2"/min	4,500	psi	ASTM D 638
Tensile Elongation at Yield, Type 1, 0.2"/min	2.9	%	ASTM D 638
Tensile Elongation at Break, Type 1, 0.2"/min	7.8	%	ASTM D 638
Tensile Modulus, Type 1, 0.2"/min	290,000	psi	ASTM D 638
Flexural Stress at Yield, 0.05"/min	10,000	psi	ASTM D 790
Flexural Modulus, 0.05"/min	300,000	psi	ASTM D 790
IMPACT			
Izod Impact, notched 73°F	4.0	ft-lb/in	ASTM D 256
THERMAL			
HDT, 264psi, 0.125" unannealed	175	°F	ASTM D 648
PHYSICAL			
Specific Gravity	1.06	-	ASTM D 792
UL Recognized, 94HB	0.06	in	UL94

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