



PIEDMONT MARINE GRADE

HEAT REFLECTIVE

MARINE SOLUTIONS

Piedmont Plastics® is your primary source for marine solutions. Complete all of your projects from block out panels to bulkheads with our line of substrates and accessories.

Piedmont carries a comprehensive assortment of the best brands and breadth of products to service your plastic needs. With over 45 years of marine industry experience, Piedmont is a leading supplier of plastic sheet, rod, tube, and film throughout North America.

PMG® HEAT REFLECTIVE®

Piedmont Marine Grade® HR™ (Heat Reflective) is a cast acrylic sheet which **reflects up to 50% of Infrared Radiation while also blocking 99% of UV radiation.**

This product significantly reduces the amount of heat introduced to interior spaces by reflecting heat that is normally transmitted through ordinary glazing. While blocking 99% of the UV radiation, it helps prevent the degradation of materials by blocking harmful UV rays.

TESTED & APPROVED

PMG® HR™ has been tested and approved by the *Sika® Corporation for bonding and sealing Organic Windows Systems in the marine industry.

**Sika® is a registered trademark of the Sika Corporation.*



FEATURES & BENEFITS

- Infrared Radiation reflection (900 nm) reduces cabin temperatures and allows less energy consumption and loads in cooling systems.
- UV blocking (400 nm) makes PMG® HR™ 62.5% better than standard acrylic glazing.
- UV blocking (below 400 nm) blocks 100% of UV-A range radiation.

CONTACT US

800.277.7898 Toll Free | 704.597.8200
5010 W. W.T. Harris Blvd | Charlotte, NC 28269
www.piedmontplastics.com



Piedmont Plastics®



Technical Properties



CHARACTERISTICS	UNIT	TEST METHOD	VALUE
Specific gravity	g/cm ³	ASTM D792	1.18
Tensile strength	psi	ASTM D638	9,600
Modulus of elasticity	psi	ASTM D798	425,000
IR Light Transmission (900 nm) - Clear 0.236"	nm(%)	ASTM 1003	Less than 50%
UV Light Transmission (400 nm) - Clear 0.236"	%	ASTM 1003	Less than 1%
Light Transmission - Clear 0.220" - 0.472"	%	ASTM 1003	70
Flexural strength	psi	ASTM D798	15,000 - 16,000
Forming temperature	°F		140 - 180
	°C		284 - 356

PRODUCT AVAILABILITY*

COLORS

- 2370
- 2540
- 2404
- 2538
- 2094
- Clear

THICKNESS

- 0.354"
- 0.472"

SHEET SIZES

- 48x96"

**Custom Colors available upon request.
Minimum order may be required.*



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