GATGARD® NuLife 200

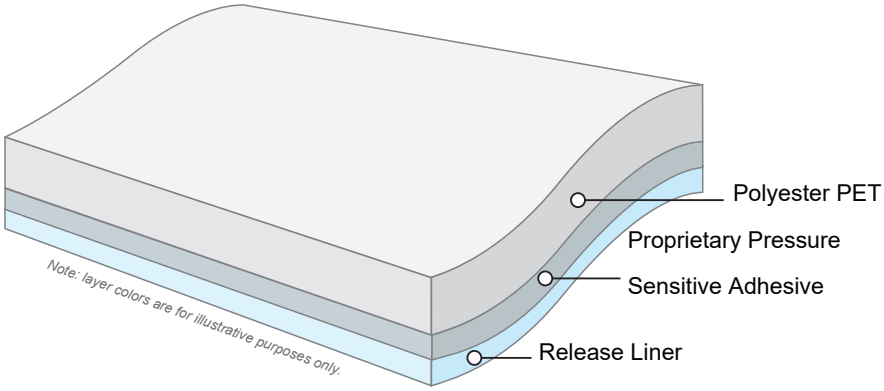
Advanced Films for Polymeric Substrates

GATGARD® NuLife 200 was designed specifically for polycarbonate (Tuffak® / Makrolon® / Lexan® / Hygard®) and acrylic surfaces. Polymeric substrates such as these absorb moisture on high humidity days and exude that moisture vapor on low humidity days, leading to the blistering of standard film products. GAT Technologie's NuLife 200 offers a proprietary adhesive that is not affected by the absorption and release of this moisture. When used as a base layer under traditional solar control films, Nu-Life 200 allows you to achieve the benefits of solar control films on plastic surfaces. The materials used in the construction are environmentally friendly, compliant to EU RoHS regulations and REACH regulations.

Material Construction:

- Polyester PET
- Proprietary pressure-sensitive adhesive
- Release Liner
- Total film thickness of 2.5 mil

All thicknesses are based on nominal data.



Film Characteristics:

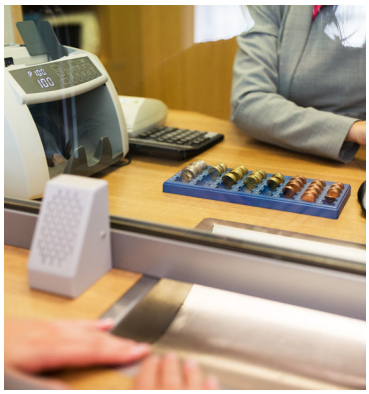
- Used as a base layer for solar control and other decorative or functional films
- Optically Clear

Applications:

- Transit system shelters
- Sunroom panels
- Interior partitions
- Schools
- Hospitals and treatment facilities

Benefits:

- Designed for plastic surfaces
- Optically clear and distortion free
- Allows installation of solar control or decorative films on plastic surface



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Technical Performance

Film Characteristics		Test Method
Total Solar Energy		ANSI/NFRC
Transmitted	80%	100,200
Reflected	8%	
Absorbed	12%	
Visible Light		ANSI/NFRC 100,200
Transmitted	89%	
Reflected	8%	
Absorbed	3%	
Ultraviolet Light		ANSI/NFRC 100,200
Transmitted	61%	
Rejected	≥ 39%	

Physical Properties

Film Thickness	0.0025 inch	
Structural Component	0.002 inch	
Tensile Strength	25,000 PSI average (MD/TD)	ASTM D - 882
Break Strength	50 pounds per inch (width)	ASTM D - 882
Adhesive Type	Proprietary pressure sensitive	
Base Film Type	Polyester (PET)	

The representations of performance and suitability for use contained in this datasheet are guidelines. Since only the user is aware of the specific conditions in which the product is to be used, responsibility to determine whether the product is suitable for that intended need belongs to the purchaser.

Chemical and Stain Resistance:

Chemical resistance: Alcohol, aldehydes, hydrocarbons, chlorinated solvents, diluted acids, and alkalines. Stain resistance: Resistant to most food, chemical and medicinal staining agents.