

## Prime ABS WEATHER-X ML200

Our Prime ABS Weather-X ML200 offers one of the highest aesthetics, gloss and depth of image in the industry.

**Key properties are surface hardness, chemical resistance, weatherability, toughness and excellent formability.**

### Customization

Prime ABS Weather-X ML200

Surface Temp = 325-350°F

Mold Temp = 150-175°F

De-mold @ 170°F

Mold shrink is .004-.008 in/in. Oven heaters on gloss side should be somewhat lower than on the substrate side. The sheet must be fully saturated with heat before forming.

### Sustainability

Prime ABS Weather-X ML200 meets industry sustainability standards and can be recycled as a post-industrial or post-consumer product.

**Primex Sustainability: A better tomorrow, starting today!**



# Prime ABS WEATHER-X ML200 | Data Sheet

Prime ABS Weather-X ML200 may consist of 3-5 layers but is typically 3 consisting of clear acrylic, colored acrylic, and ABS.

## Applications

Some applications for this product include RV, automotive, transportation and marine industries.

## Finishing

When drilling co-extruded sheet with an acrylic modified drill bit, be sure to exit from the acrylic side but when drilling with a standard bit, be sure to have the bit exit from the substrate side. For accuracy and safety, acrylic capped sheet should be clamped during drilling. For cutting/trimming Weather-X ML 200 sheet with CNC or air routers, a standard solid carbide fiberglass router – diamond-cut tool can be used. Routing parts in a CNC environment is best done with chip-breaker-type, solid carbide tools.

## Colors, Textures, and Capabilities

Our Prime ABS Weather-X ML200 surface is typically high gloss. Colors include Solids, Granite, Pearlescent, Swirl, Metallics, Soft White and Metamerism effects.

Property	Test Method	Value	Units
Specific Gravity	D792	1.06	
Gloss, 60° Angle	D523	85	%
Tensile @ Yield	D638	5,900	psi
Flexural Strength	D790	9,500	psi
Flexural Modulus	D790	300,000	psi
Notched Izod	D256	4.2	ft-lbs/in
Rockwell Hardness	D785	102	R Scale
HDT @ 264 psi, Annealed	D648	190	°F

UL compliant materials available upon request.

Prime ABS Weather-X ML200	High	Avg.
Impact Strength	*	
Low Temperature Impact Strength		*
Tensile Strength	*	
Flexural Modulus	*	
Heat Deflection Temperature	*	