

Prime WEATHER-X™ 400

Our Prime ABS Weather-X 400 is an ABS substrate capped with a weatherable film.

Prime Weather-X 400 will process the same as ABS, depending on the grade that is used for the substrate. It is suggested that slightly cooler oven temperatures on the side of the film be utilized.

Customization

Prime Weather-X 400 substrate properties will depend on the material specified for use. Primex offers substrates of Prime, ReCycle Content, and/or Wide Spec material. This product is ideal for exterior and interior thermoformed parts requiring high gloss appearance and retention as well as scratch resistance.

Prime Weather-X can be color matched to meet your specific requirements through our vertical integration with Primex Color, Compounding & Additives.

Sustainability

Prime Weather-X 400 meets industry sustainability standards and can be recycled as a post-industrial or post-consumer product in many states in the USA or any Primex Plastics facility.

Primex Sustainability: A better tomorrow, starting today!



Prime WEATHER-X™ 400 | Data Sheet

Prime Weather-X 400 physical properties and strengths vary depending on the construction. Primex also offers this product with a low gloss appearance.

Applications

Some applications for this product include Bathtubs and Surrounds, Spas, Counter Tops, Wall Panels, Doors, Windows, Siding, Luggage carriers, Tractor Roofs, Dashboards and Sanitary Ware.

Finishing

Parts made from Prime Weather-X 400 may be joined with machine screws, bolts, nuts, and washers, rivets and spring steel fasteners. Thread cutting or thread-forming screws is an economical means of securing the joints. Formed parts may be bonded with Methylene Chloride if maximum impact strength is not required. Press and snap techniques as well as sonic welding are other methods of bonding this product.

Colors, Textures, and Capabilities

Prime Weather-X is available in thicknesses from .060-.400 and widths up to 62". The surface is typically high gloss.

Property	Test Method	Value	Units
Specific Gravity	D792	1.04	
Melt Flow	D1238	1.7	g/10min
Gloss, 60° Angle	D523	90	%
Tensile @ Yield	D638	5,100	psi
Flexural Strength	D790	8,000	psi
Flexural Modulus	D790	270,000	psi
Notched Izod @ 73°F	D256	6.3	ft-lbs/in
Notched Izod @ -40°F	D256	2.2	ft-lbs/in
Rockwell Hardness	D785	102	R Scale
HDT @ 264 psi, Annealed	D648	198	°F

UL compliant materials available upon request.

Prime Weather-X 400	Very High	High	Avg.
Impact Strength		*	
Low Temperature Impact Strength			*
Tensile Strength		*	
Flexural Modulus		*	
Heat Deflection Temperature		*	