



Prime ABS Weather-X 400 is an ABS substrate capped with a weatherable film. The substrate properties will depend on the material specified for use. Primex offers substrates of Prime, Utility 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. Primex also offers this product with a low gloss appearance.



Prime ABS Weather-X 400

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

Property	Test Method	Value	Unit
Specific Gravity	D-792	1.04	
Melt Flow	D-1238	1.7	g/10min
Gloss, 60° Angle	D-523	90	%
Tensile @ Yield	D-638	5,100	psi
Flexural Strength	D-790	8,000	psi
Flexural Modulus	D-790	270,000	psi
Notched Izod @ 73°F	D-256	6.3	ft-lb/in
Notched Izod @ -40°F	D-256	2.2	ft-lb/in
Rockwell Hardness	D-785	102	R Scale
HDT @ 264 psi, Annealed	D-648	198	°F

Applications:

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

Finishing:

Parts made from Prime ABS 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.

Processing:

Prime ABS 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.

Colors, Textures and Capabilities:

Colors are readily available in white, off-white, brown and black. Specific color matches are available upon request. Prime ABS Weather-X 400 is available in thicknesses of .060 - .400 in. and widths up to 62".

Please contact your Primex Plastics representative for more information on finishing, fabricating, or the thermoforming process.

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