



Prime Weather-X 401 is a thin gauge extruded acrylic (PMMA) protective cap film that can be laminated to plastic substrates, such as ABS, HIPS, and PMMA. Its exceptional UV protection extends the indoor and outdoor durability of the base sheet. Extruded acrylic film also protects the substrate from yellowing and fading. Its consistent high gloss outshines the finish of brown acrylic films. This tough film also provides abrasion resistance, mildew and fungus resistance, as well as, protection from chemical spillage.



## Prime Weather-X 401

Prime Weather-X 401	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	g/cc
Melt Flow	D-1238	0.8	g/10min
Gloss, 60° Angle	D-523	95	%
Tensile @ Yield	D-638	6510	psi
Flexural Strength	D-790	8890	psi
Flexural Modulus	D-638	255,000	psi
Weatherability	UL 746C	F2 for UV Exp	
HDT @ 264 psi, Annealed	D-648	176	°F

### Applications:

Some applications for this product include components for RV's, travel trailers & mobile homes, bath & shower enclosures, sinks, spas, dashboards & consoles for construction & farm equipment, housing for marine craft & snowmobiles, and appliance parts.

### Finishing:

Parts made from Prime Weather-X 401 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 Weather-X 401 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 Weather-X 401 is available in thicknesses of .060 - .400 in. and widths up to 72".

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

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