

Prime WEATHER-X™

Our Prime Weather-X is an ABS substrate with an Acrylic co-extruded cap. If requested a thin layer of Acrylic can be extruded on the back side for rigidizing. A weatherable top surface.

Offers superior weatherability, high impact properties, chemical and stain resistance, ease of thermoforming, and high gloss with good DOI. Tailored material properties are possible using up to four layer sheet construction.

Customization

Prime Weather-X can impart a very high gloss, vibrant colors with superior depth of image, excellent UV protection, chemical resistance, toughness and excellent formability. Primex offers substrates of Prime Recycled 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 Weather-X can be color matched to meet your specific requirements through our vertical integration with Primex Color, Compounding & Additives.

Sustainability

Prime Weather-X 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!

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Prime WEATHER-X™ | Data Sheet

Prime Weather-X is offered in 100, 200, 300, 401, 600, ML200, & ML500. The physical properties and strengths vary depending on the construction.

Applications

Prime Weather-X is ideal for outdoor applications such as ATV, RV, tub/shower surrounds, marine personal watercraft, recreational vehicles, lawn/garden, building/construction, appliance parts, pick-up truck caps, boat accessories, dashboards, spas, pools, counter tops, farm equipment, luggage carriers, siding, and automotive trim parts.

Finishing

Prime Weather-X may be joined with machine screws, bolts, nuts, rivets, screws, and spring steel fasteners. Thread cutting or thread-forming screws is an economical means of securing separate joints. Formed parts may be joined with Methylene Chloride if maximum impact strength is not required. Press and snap techniques, and sonic welding may also be used for the bonding of ABS.

Colors, Textures, and Capabilities

Prime Weather-X is available in thicknesses from .060-.400. The surface is typically high gloss.

Property	M	Units	Values	Values	Values	Values	Values
			WX-100	WX-200	WX-300	WX-401	WX-600
Specific Gravity	D792		1.05	1.05	1.06	1.04	1.05
Melt Flow, 2210/10	D1238	g/10min		8.9	9.4	9.4	
Tensile Strength	D638	psi	5,940	5,220	7,450	6,040	4,900
Elongation	varies	%	29	22	14		
Flexural Modulus	D256	psi	290,000	280,000	349,000	278,000	220,000
Notched Izod @ 73°F	D790	ft-lbs/in	5.7	5.6	6.8	6.2	4
Notched Izod @ 32°F	D648	ft-lbs/in		4.4	2.8	5	2
HDT @ 264 psi	D785	°F	185	208	203	202	192

UL compliant materials available upon request.

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

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