



Prime ABS Weather-X 500 is an ABS substrate with a co-extruded cap of an advanced Amorphous-Terpolymer of Acrylic-Styrene-Acrylonitrile. It offers exceptional durability in weather related environments without painting or other types of UV protection. It can retain its color stability under long-term exposure to the sun's rays. It offers good aesthetics, color options, good chemical resistance and high heat performance.

Prime ABS Weather-X 500

Prime ABS Weather-X 500	Very High	High	Avg.
Impact Strength	*		
Low Temperature Impact Strength		*	
Tensile Strength			*
Flexural Modulus		*	
Heat Deflection Temperature	*		

Property	Test Method	Value	Unit
Specific Gravity	D-792	1.05	
Melt Flow	D-1238	7.6	g/10 min
Tensile @ Max	D-638	5,640	psi
Ultimate Elongation	D-638	14.8	%
Flexural Modulus	D-790	322,500	psi
Notched Izod @ 72°F	D-256	5.1	ft-lb/in
Notched Izod @ 32°F	D-256	3.7	ft-lb/in
HDT @ 264 psi, Annealed	D-648	210	°F
Mold Shrink		.003-.005	in/in

Applications:

This product is ideal for outdoor applications such as marine, ATV, RV, Spas, Pools and Lawn and Garden equipment or anywhere the above characteristics are required.

Finishing:

Parts made from this material 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 separate parts. Press and snap techniques or sonic welding may also be used. Caution, this product will be somewhat more brittle than Prime ABS 750.

Processing:

Processing conditions for this product are:
 Surface temperature = 300-390°F
 Mold temperature = 110-185°F
 Plug Temperature = 220-300°F
 De-mold = 200°F
 Mold shrink = .005 - .008 in/in

Colors, Textures and Capabilities:

There are several colors available, however, please check with your Primex representative for specific colors. Typically the product is smooth but some patterns are available.

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

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