



Prime ABS Weather-X 100 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. It offers good weatherability, chemical resistance, and high gloss with good DOI.



Prime ABS Weather-X 100

Prime ABS Weather-X 100	Very High	High	Avg.
Impact Strength	*		
Low Temperature Impact Strength		*	
Tensile Strength			*
Flexural Modulus		*	
Heat Deflection Temperature	*		

Applications:

This product is ideal for outdoor applications such as marine, ATV, RV, Tub & Shower Surrounds or anything where the above characteristics are required.

Finishing:

Parts from this product may be joined with machine screws, bolts, nuts, and washers, rivets and spring steel fasteners.

Thread cutting or thread-forming screws are an economical means of securing separate parts. Press and snap techniques, sonic welding and chemical bonding may also be used.

Property	Test Method	Value	Unit
Specific Gravity	D-792	1.05	g/cc
Melt Flow (230/10)	D-1238	6.5	g/10 min
Tensile @ Max	D-638	5940	psi
Ultimate Elongation	D-638	29	%
Flexural Modulus	D-790	290,000	psi
Notched Izod .125 in. @ 72° F	D-256	5.7	Ft-lb/in.
Heat Deflection .125 in. @ 66 psi	D-648	202	° F
Heat Deflection Temp. .125 in @264psi	D-648	185	° F
Mold Shrink		.003-.005	In./in.

Processing:

Forming 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

Primary side of sheet should not be heated as much as the secondary side.

Colors, Textures and Capabilities:

There are many colors available, however, please check with your Primex representative for specific colors. Typically this product is smooth, however, there are several patterns available, such as haircell, calfgrain & levant.

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

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