



Prime ABS Weather-X 200

Prime ABS Weather-X 200

Is an acrylic capped co-extruded ABS sheet, which can be produced as a two or three multilayer composite. The acrylic cap imparts a very high gloss, vibrant colors with superior depth of image, excellent UV protection, chemical resistance, toughness and excellent formability.



Applications:

The performance features of Prime ABS Weather-X 200 make it the material of choice for applications, including marine, personal watercraft, recreational vehicles, lawn/garden, building/construction and automotive accessories.

Processing:

*Surface Temp = 325-360°F
 Mold Temp = 150-175°F
 De-mold @ 170°F
 Mold shrink is .004-.008 in/in.
 ABS may absorb greater amounts of radiant energy than acrylic; thus, surface temperatures may increase more rapidly. Care should be taken to maintain the surface temperature at 325°F-360°F to avoid blistering, burning and color/gloss shift of the acrylic cap.*

Prime ABS Weather-X 200	High	Average
Impact Strength	*	
Low Temperature Impact Strength		*
Tensile Strength	*	
Flexural Modulus	*	
Heat Deflection Temperature	*	



Prime ABS Weather-X 200

Finishing:

Prime ABS Weather-X 200 can be joined using mechanical methods such as bolts, screws or clamps, or chemical methods such as cementing. When drilling co-extruded sheet with an acrylic modified drill bit, be sure to exit from the acrylic side but when drilling with a standard bit, be sure to have the bit exit from the substrate side. For accuracy and safety, Prime ABS Weather-X 200 should be clamped during drilling.

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

Colors, Textures and Capabilities:

Prime ABS Weather-X 200 can be color matched to meet your specific requirements. The surface is typically high gloss but textures such as calf grain, H/C, F/L H/C, Levant 1 and Seville are available.

Property	Test Method	Value	Unit
Specific Gravity	D-792	1.05	g/cc
Melt Flow	D-1238	8.9	g/10min
Gloss, 60° Angle	D-523	87	%
Ultimate Tensile	D-638	5,220	psi
Ultimate Elongation	D-638	22	%
Flexural Modulus	D-790	280,000	psi
Impact Strength, notched Izod .125" @ 72°F	D-256	5.6	ft-lb/in
Impact Strength, notched Izod .125" @ 32°F	D-785	4.4	Ft-lb/in
HDT .125" @ 264 psi, (annealed)	D-648	208	°F
Mold Shrinkage	D-955	.003-.005	In/in

Notice: All statements, information, and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation of warranty that such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated, or that other measures may not be required.