

Prime DURALUX™ S100

Our Prime Duralux S100 is a multi-layer ABS product specifically designed for Sanitary market applications.

Offers the functional attributes needed to meet ANSI and CSA requirements.

Customization

Prime Duralux S100 is rather easy to thermoform due to its exceptional hot strength. It can be formed on wood, epoxy, ceramic, and/or aluminum tools. The forming temperature has a range of 300 - 350°F. For best results the mold temperature should be 150-190°F. In some cases, it is necessary to dry the sheet before forming.

Prime Duralux S100 can be color matched to meet your specific requirements through our vertical integration with Primex Color, Compounding & Additives. Decorative laminate and Granite versions of Duralux are also available.

Sustainability

In closed-loop recycling streams with Primex, Prime Duralux S100 can be used as PIR content in the substrate layer (use rate limitations may apply).

Primex Sustainability: A better tomorrow, starting today!



Prime DURALUX™ S100 | Data Sheet

Prime Duralux S100 is an amorphous thermoplastic material and therefore, processes easier than some other thermoplastic materials.

Applications

Prime Duralux S100 may be used for shower surrounds and pans, basins and other sanitary products.

Finishing

Prime Duralux S100 may be fabricated using methods consistent with ABS materials. During the forming process, it may be necessary to limit the temperature exposure of the prime side to reduce the risk of scorching and blistering. As the material is hydroscopic, sheet drying may be necessary for items held in inventory for extended periods.

Colors, Textures, and Capabilities

Prime Duralux S100 is available in gauge range .060 up to .300. Textures include; H/C and smooth only.

Property	Method	Value	Unit
Specific Gravity	D792	1.07	
Tensile Strength	D638	5,830	psi
Flexural Strength	D790	9,474	psi
Flexural Modulus	D790	286,500	psi
Impact Strength, Notched Izod @ 72°F	D256	3.163	ft-lb/in
HDT @ 66 psi, unannealed	D648	199	°F
HDT @ 264 psi, unannealed	D648	182	°F
Gloss, 60°	D523	85	%

Complies with ANSI Z124.1.2-2005, Sections 5.1-5.5 and 5.6. Complies with CSA B45.5-02.

Prime Duralux S100	Very High	High	Avg.
Impact Strength			*
Low Temperature Impact Strength			*
Tensile Strength		*	
Flexural Modulus		*	
Heat Deflection Temperature		*	