



Prime PC/ABS is classified as an amorphous thermoplastic blend of ABS and Polycarbonate. This product is known for high impact and notched impact strength, stiffness, heat resistance, dimensional accuracy, low shrinkage, low warp, and light stability. This product is available in: Non-reinforced general purpose, Non-reinforced flame retardant, Glass fiber reinforced, & Acrylic co-extruded cap.



PRIME PC/ABS

Prime PC/ABS	Very High	Avg.
Impact Strength	*	
Low Temperature Impact Strength		*
Tensile Strength		*
Flexural Modulus	*	
Heat Deflection Temperature	*	

Applications:

Some ideal applications for Prime PC/ABS include the following: Engine covers, Fan shrouds, Structural parts, Motorcycle fairings

Finishing:

Cutting or machining of this product may be done by sawing, drilling, grinding, sanding, punching and die cutting. High pressure and laser cutting will also work for this product. Prime PC/ABS may be bonded with chemical, mechanical screws and other type of fasteners as well as sonic welding.

Property	Test Method	Value	Unit
Tensile @ Yield	D638	8100	psi
Tensile @ Break	D638	8700	psi
Tensile Modulus	D638	479,000	psi
Flexural Modulus	D790	434,000	psi
Notched Izod @ 73°F	D256	8	ft-lb/in
Notched Izod @ -22°F	D256		ft-lb/in
Vicat Softening	D1525	244	°F
HDT @ 66 psi	D648	280	°F
HDT @ 264 psi	D648	258	°F
CLTE	E831	3.65x10 ⁻⁵	in/in/°F
Specific Gravity	D792	1.22	
Water Absorption, 24 hrs. @ 73°F	D570	0.1	%

Processing:

Forming temp. is 400°F, tool temperature is 150-200°F. The part can be de-molded at 200°F. Sheet should be dried before forming @ 180°F for 2-4 hrs.

Colors, Textures and Capabilities:

PC/ABS can be color matched to suit your needs. Several textures are available including, H/C, FL/H/C, Calf Grain and more. Sheet thickness can range from .090-.400 and in widths of up to 120".

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

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