



Prime Tuff-X 200 HG offers the same great benefit as our Tuff-X 200 but also has a very high gloss before and after forming. Using the Gardner Gloss Meter at 60° angle gloss levels of 85 to 90 have been obtained after forming.



PRIME TUFF-X 200 HG

Property	Test Method	Value	Unit
Melt Flow	D1238	1.11	g/10 min
Specific Gravity	D792	1.06	g/cc
Tensile @ Yield	D638	2930	psi
Hardness, Shore D	D2240	67	
Notched Izod @ 73 °F	D256	13.56	ft-lb/in
HDT @ 66 psi	D648	215	°F
Flexural Modulus	D790	242,500	psi
CLTE	D696	2.70 x10 ⁻⁵	in/in/°F

Prime Tuff-X 200 HG	Very High	High
Impact Strength	*	
Low Temperature Impact Strength	*	
Tensile Strength		*
Flexural Modulus		*
Heat Deflection Temperature		*

Applications:

This combination of materials is ideal for such applications as automotive, power tools, irrigation, fluid handling, lawn and garden, electronics, RV Interior and exterior parts.

Finishing:

Prime Tuff-X 200 HG can be fabricated by using the same method as the Prime Tuff-X 200. It may also be bonded by using certain adhesives. Prime Tuff-X 200 HG has a high gloss that can even improve in the thermoforming process if properly heated. Scratch and mar issues can be repaired on the gloss surface.

Processing:

Prime Tuff-X 200 HG is a Semi-crystalline material that behaves differently in the thermoforming process when compared to an amorphous material like HIPS or ABS. Ideal forming conditions; mold temp. 170-190°F, Sheet temp. 320-360°F, part removal temp. 145-170°F. Aluminum temperature controlled grit blasted tools are preferred. Ceramic tools also work well if glass bead blasted. Quartz or ceramic heaters are preferred when working with Tuff-X. Calrod heaters may sometimes be used but gas fired ovens are not recommended.

Colors, Textures and Capabilities:

Prime Tuff-X 200 HG is capable of accepting any color. The substrate may be color matched or a field of color. Both the cap and the substrate are capable of holding < 1.5 Delta E. Tuff-X 200 HG is offered in gauges ranging from .090 to .400 in. and widths up to 120". There are several different patterns available, however, typically this product is used when a smooth high-gloss appearance is required.