



Prime Tuff-X 200 is an engineered alloy that fills the gap between engineered plastics and high performance Polyolefins. Prime Tuff-X 200 has a very low C.L.T.E., excellent impact, UV protection and is highly chemical resistant.



PRIME TUFF-X 200

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

Property	Test Method	Value	Unit
Specific Gravity	D 792	1.12	g/cc
Melt Flow	D 1238	0.60	g/10min
Flex Modulus	D 790	307,000	psi
Tensile @ Yield	D 638	3555	psi
Multiaxial Impact @ -22 °F	D 3763	51	In-lb
Notched Izod @ 73 °F	D 256	15.6	ft-lb/in
Notched Izod @ -22 °F	D 256	1.2	ft-lb/in
HDT @ 66 psi	D 648	213	°F
HDT @ 264 psi	D648	138	°F
CLTE	696 Modified	2.70x10 ⁻⁵	in/in/°F

Complies with UL 94 HB at thickness >1.5 mm

Applications:

Ideal for ; automotive, power tools, irrigation, electronics, lawn and garden and RV applications.

Finishing:

Tuff-X 200 can be fabricated by using many techniques such as; drilling, routing, punching, sawing, laser or die cut. Mechanical screws and other type of fasteners may be used to join Tuff-X 200 parts together. It may also be bonded with certain types of adhesives.

Processing:

Prime Tuff-X 200 is a Semi-crystalline material that behaves differently in the thermoforming process when compared to an amorphous material. 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 can also work well if it is glass bead blasted. Quartz or ceramic heaters are preferred when working with Tuff-X. Calrod heaters can sometimes be used but gas fired is not recommended.

Colors, Textures and Capabilities:

Our Tuff-X 200 material will accept any color imaginable, furthermore, this product can be painted with a two part paint system. Tuff-X 200 is offered in gauges from .090 to .400 in. and in widths up to 120". Tuff-X 200 is offered in several different patterns that include; FL/HC, H/C, Diamond Plate, Smooth and Levant II.