



PRIME TUFF-X

Prime Tuff-X is an engineered alloy that offers very high stiffness when rigidity is important. Prime Tuff-X has a very low C.L.T.E., excellent cold temperature impact, UV protection, improved rigidity and is highly chemical resistant.

	PROPERTY	UNIT	ISO	VALUE
PHYSICAL				
Density		g/cc	1183	1.14
Shrinkage		%		0.7-0.9
Melt Flow (230°C/2.16kg)		g/10min	1133	0.5
MECHANICAL				
Stress at yield	MPa	50mm/min	527	26
Ultimate elongation	%	50mm/min	527	230
Flexural Modulus	MPa		178	3200
Izod Impact, notched,	J	23° -30°C	ASTM D256	750 48
THERMAL				
HDT @ 0.46MPa	°C		75	114
CLTE(-30°C to 100°C)	mm/mm/°C		ASTM E831	0.000041
FLAMABILITY RATING				
Horizontal burn			UL94	HB

Finishing

Prime Tuff-X can be Vacuum Formed and 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 Prime Tuff-X parts together. It may also be bonded with certain types of adhesives.

Colours, Textures, Capabilities

Our Prime Tuff-X may be colour matched to meet your specifications. Furthermore, this product can be painted with a two part paint system. Prime Tuff-X is offered in gauges from 0.8mm to 9mm and in widths up to 2400m. Prime Tuff-X is offered in several different textures.

Complies with UL 94 HB at thickness >1.5mm

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