Prime Tuff-X ST

Unspecified

Primex Plastics Corporation

Message:

Prime Tuff-X ST offers the same great benefits as our standard Tuff-X product but with a soft touch feel and look. It has a high friction coefficient and a 5% gloss reading after forming. It has good scratch and mar, UV stable and colorable. Unlike other soft touch products,40% regrind use maintains critical properties.

Applications:

Prime Tuff-X ST is well suited for applications such as; Instrument panels and decorative trim for RV, ATV, Marine and Heavy Trucks.

Processing:

Prime Tuff-X ST has better hot strength than our standard Tuff-X, therefore, high sag and webbing during the forming process is not as great. It is still best to form this product on an aluminum tool that is grit blasted. It can be formed on male or female tooling. The forming temperature should be 320-360°F, tool temp. of 170-190°F.

Finishing:

The same methods for cutting, bonding and fabrication can be used on Prime Tuff-X ST as is used for our other Tuff-X products.

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

Colors, Textures and Capabilities:

Tuff-X ST, allows for thesubstrate as well as the cap to be colored matched to anything specified. There are certain carriers that we use to assure that the properties of the two products are not distorted.

Tuff-X ST is offered in several different textures that include, H/C, FL/HC, Calf Grain, Diamond Plate and Levant II. We offer a gauge range of .090 to .400 and widths up to 120".

General Information				
Features	Good Colorability			
	Good UV Resistance			
	High Friction			
	High Gloss High Heat Resistance High Tensile Strength Low Temperature Impact Resistance Scratch Resistant			
	Soft			
	Ultra High Impact Resistance			
Uses	Automotive Exterior Trim			
	Automotive Instrument Panel			
Appearance	Colors Available			
Forms	Sheet			
Processing Method	Thermoforming			
Physical	Nominal Value	Unit	Test Method	
Specific Gravity	1.10	g/cm³	ASTM D792	
Melt Mass-Flow Rate (MFR)	0.74	g/10 min	ASTM D1238	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Strength			ASTM D638	

Yield	16.5	MPa	
Break	14.5	MPa	
Tensile Elongation (Break)	410	%	ASTM D638
Flexural Modulus	1280	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow	3.3E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value	Unit	
Forming Temperature	160 to 182	°C	
Maximum Allowable Regrind	40	%	
Tool Temperature	77 to 88	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

