



Prime Tuff-X ST

Prime Tuff-X ST:

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.

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



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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 the substrate 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".

| Property | Test Method | Value | Unit |
|---------------------|-------------|-----------------------|----------|
| Specific Gravity | D 1238 | 1.107 | |
| Melt Flow | D1238 | .74 | g/10 min |
| Tensile @ Yield | D638 | 2400 | psi |
| Tensile @ Break | D638 | 2100 | psi |
| Elongation @ Break | D639 | 410 | % |
| Flexural Modulus | D790 | 185,000 | psi |
| Notched Izod @ 73°F | D256 | No Break | ft-lb/in |
| CLTE | D696 | 1.85x10 ⁻⁵ | in/in/°F |
| Mold Shrink | | .010 | in/in MD |

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