

Prime Tuff-X FR

Unspecified
Primex Plastics Corporation

Message:

Prime Tuff-X FR is our Prime Tuff-X with a flame retardant characteristic. It has a higher flexural modulus than Prime Tuff-X and a flammability V1 in accordance with UL Standard 94.

Applications:
Tuff-X FR has very good chemical resistance, can be used in interior or exterior applications where UV protection is called for and has excellent stiffness and durability. Typical applications for this product include battery covers and side panels on lift trucks, tow motors and construction equipment.

Processing:
The same processing equipment, tooling and operating parameters used to for our Prime Tuff-X material may also be used for this product.

Finishing:
Prime Tuff-X FR can be fabricated and bonded using the same techniques that are used for our Prime Tuff-X.

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

Colors, Textures and Capabilities:
Prime Tuff-X FR can be color matched or even painted with a two part paint system. Tuff-X FR is available in gauges from .090 to .400 and up to 120" wide. Textures include Calf Grain, FL/HC, H/C,Smooth, Levant II and Diamond Plate.

General Information			
Additive	Flame Retardant		
Features	Bondability		
	Durable		
	Flame Retardant		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Stiffness		
	Good UV Resistance		
	High Heat Resistance		
	High Tensile Strength		
	Low Temperature Impact Resistance		
Uses	Automotive Exterior Parts		
	Battery Cases		
	Construction Applications		
	Electric Motor Housings		
Appearance	Colors Available		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.7	MPa	ASTM D638
Tensile Elongation			ASTM D638

Yield	13	%	
Break	230	%	
Flexural Modulus	2280	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Gardner Impact			ASTM D5420
-30°C	33.4	J	
23°C	> 36.2	J	
Flammability	Nominal Value		Test Method
Flame Rating ¹ (3.00 mm)	V-1		UL 94
NOTE			
1.	>0.118 in		

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Recommended distributors for this material

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