

# Boltaron 4205

Polyvinyl Chloride  
Boltaron Performance Products

Message:

Boltaron 4205 is a proprietary, high heat distortion, fire retardant, extruded thermoplastic sheet designed to meet stringent FAA flammability requirements and higher in-service temperature applications. Boltaron 4205 offers excellent impact strength, abrasion resistance, stain and chemical resistance, and thermoformability.

- Colors: Custom
- Gauges: .028 to .250
- Widths: Up to 60"
- Lengths: Up to 120"
- Custom Sizes: Upon request
- Textures:
  - Coarse Matte (CM)
  - Felt (FT)
  - Haircell (HC)
  - Levant (LT)
  - Mesa (MS)
  - Suede (SD)

General Information			
Features	Flame Retardant		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	High Heat Resistance		
	High Impact Resistance		
	Stain Resistant		
Uses	Aircraft Applications		
Agency Ratings	FAA Unspecified Rating		
	FAR 25.853		
Appearance	Colors Available		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	49.6	MPa	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength (Yield)	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256


Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	82.2 to 85.0	°C	
1.8 MPa, Annealed	93.3 to 96.1	°C	
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
	12.0		
FAA Flammability <sup>1</sup>	60.0	sec	FAR 25.853
Forming Temperature	193 to 216	°C	
NOTE			
1.	Pass		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT