

# 4320 BOLTARON 4320

## GENERAL INFORMATION

Boltaron 4320 is a proprietary, ultra high impact, low shrink, extruded Acrylic/PVC alloy designed specifically for the orthotics and prosthetics market. Boltaron 4320 offers a UL 94 V-0 rating, improved cold-cracking resistance, abrasion resistance, chemical resistance, and flammability. **Boltaron 4320 is the highest impact rated Acrylic/PVC on the market.**

## AVAILABILITY

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)  
Morocco (MO)

## SUGGESTED APPLICATIONS

Orthotic Braces  
Prosthetics  
Applications requiring ultra high impact properties

## Typical Physical Properties

Property	Test Method	Typical values
Specific gravity	ASTM D-792	1.35
Tensile strength (PSI)	ASTM D-638	5,700
Flexural strength (PSI)	ASTM D-790	8,700
Flexural modulus (PSI)	ASTM D-790	$3.08 \times 10^5$
Izod impact (Ft. lbs./in. of notch)	ASTM D-256	20
Hardness Rockwell R	ASTM D-785	106
Heat Deflection (°F) 264 PSI (annealed)	ASTM D-648	167.5
Flammability FAA	FAR 25.853 A1,(i) (60 sec.)	PASS
	FAR 25.853 A1,(ii) (12 sec.)	PASS
UL	UL-94	<input type="checkbox"/> V-0, 5VA <sup>1</sup> <input type="checkbox"/>
	UL-94	V-0, 5VB <sup>2</sup>
Forming Temperature (°F)		335 - 385
Low Shrink		< 3%

<sup>1</sup> Independent Lab Testing

<sup>2</sup> Independent Lab Testing

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## LIMITATION OF WARRANTY

The application suggestions, specifications and other data described here are based upon experience and information that is believed, by BPP to be reliable. However, BPP makes no express or implied warranty that BOLTARON 4320 will perform in accordance with such specifications in any particular circumstance. Therefore, ALL EXPRESS OR IMPLIED WARRANTIES IN CONNECTION WITH BOLTARON 4320, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSLY DISCLAIMED. The prospective user should determine the suitability of BOLTARON 4320 and the application suggestions before actual application.