

# Boltaron 4550

Acrylic (PMMA) + PVC

Boltaron Performance Products

## Message:

Boltaron 4550 is an extruded Acrylic/PVC Alloy sheet, capped with a clear, high gloss, acrylic Korad® film. Boltaron 4550 offers excellent UV resistance, impact strength, abrasion resistance, stain and chemical resistance, and thermoformability.

- Colors: Custom
- Gauges: .040 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	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good UV Resistance		
	High Gloss		
	High Impact Resistance		
	Stain Resistant		
Uses	Housings		
	Medical/Healthcare Applications		
Agency Ratings	FAR 25.853		
Appearance	Clear/Transparent		
	Colors Available		
Forms	Sheet		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108 to 110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5 to 37.2	MPa	ASTM D638

Flexural Modulus	2070 to 2280	MPa	ASTM D790
Flexural Strength (Yield)	59.3 to 63.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	800 to 960	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	71.7 to 72.8	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
	12.0		
FAA Flammability <sup>1</sup>	60.0	sec	FAR 25.853
Radiant Panel Flame Spread Index (3.18 mm)	< 10.0		ASTM E162
Forming Temperature	168 to 188	°C	
QUV Weatherometer <sup>2</sup>	3.25		
Xenon Weatherometer <sup>3</sup>	0.750		
NOTE			
1.	Pass		
2.	2700 hrs, Delta E		
3.	500 hrs, Delta E		

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