Boltaron 4332

Acrylic (PMMA) + PVC

Boltaron Performance Products

Message:

Impact resistance of 20 ft lbs/in (1060 J/m) and other outstanding properties make
Boltaron 4332 the ultimate Acrylic/PVC alloy for your most demanding applications Boltaron 4332 sheet is a proprietary, fire retardant, PVC/Acrylic alloy that offers outstanding physical properties, making it the ideal material from which to thermoform and fabricate parts subjected to high impact, abrasion, harsh chemicals and/or temperature extremes.
With an Izod impact rating of 20 ft lbs/in (1060 J/m) Boltaron 4332 is among the most impact resistant PVC/Acrylic alloys ever produced.
It is also exhibits extreme resistance to heat deformation and cold weather cracking, and is highly resistant to caustic and acidic chemicals spanning the entire pH range, in addition to offering greater abrasion resistance than stainless steel.
At the same time, Boltaron 4332 is non-hygroscopic, eliminating the time and cost associated with pre-drying other thermoplastics, and is readily thermoformed, yielding uniform wall thickness in deep recesses and on sharp outside corners.
It is also readily sawn, drilled, tapped, routed and otherwise machined using conventional tools, and can be brake formed (thinner gauges), heat welded, adhesive bonded and mechanically fastened, allowing rapid fabrication of a broad range of high-integrity parts and assemblies.
Easy to use but difficult to damage, Boltaron 4332 eliminates the compromise associated with lesser PVC/acrylic alloys, FR ABS, and other fire rated thermoplastics, meeting and exceeding the most demanding requirements of fomers, fabricators and OEMs alike.

General Information	
Additive	Flame Retardant
Features	Flame Retardant Good Abrasion Resistance Good Chemical Resistance Good Crack Resistance High Impact Resistance
Uses	Housings
Agency Ratings	FAR 25.853
UL File Number	E54688
Appearance	Colors Available
Forms	Sheet
Processing Method	Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	106		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	39.3	MPa	ASTM D638
Flexural Modulus	2120	MPa	ASTM D790
Flexural Strength (Yield)	60.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	1100	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	75.3	°C	ASTM D648
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
	V-0		
1.02 mm	5VB		
	V-0		
3.18 mm	5VA		
FAA Flammability [1]			FAR 25.853
1.02 mm	12.0	sec	
3.18 mm	60.0	sec	
Forming Temperature	168 to 196	°C	
NOTE			
1.	Pass		

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