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Boltaron® 4335

Fire Rated Sheet for Thermoforming, Fabricating

Properties	Test Method*	Typical Values	Typical Values
Specific Gravity	ASTM D792	1.415	1.415
Tensile Strength	ASTM D638	6,000 psi	41.0 MPa
Flexural Strength	ASTM D790	9,200 psi	63.0 MPa
Flexural Modulus	ASTM D790	330,000 psi	2,275 MPa
Izod Impact (notched) @73°F	ASTM D256	18 ft-lb/in.	953 J/m
Hardness, Rockwell R	ASTM D785	110	110
Heat Deflection (annealed)	ASTM D648	161°F (264 psi)	72°C (1.8 MPa)
Flammability - UL	UL 94	V-0, 5VA ¹	V-0, 5VA ¹
	UL 94	V-0, 5VB ²	V-0, 5VB ²
		V-0 ³	V-0 ³
Radiant Panel Flame Spread Index (0.125" / 3.18 mm thk)	ASTM E162	< 10	< 10

Properties	Test Method*	Typical Values	Typical Values
Flammability			
Vertical Burn, 60 seconds	FAR 25.853(a)(i)	Pass	Pass
Vertical Burn, 12 seconds	FAR 25.853(a)(ii)	Pass	Pass

¹Values based on minimum thickness of 0.040 in. (1.1 mm), UL File #E54688

²Values based on minimum thickness of 0.047 in. (1.2 mm), UL File #E54688

³Independent lab tests. All tests at 73°F (22.8°C) in dry conditions unless otherwise noted.

Thermoforming Guidelines	Typical Values	Typical Values
Mold Shrinkage	0.50 - 0.70%	0.50 - 0.70%
Forming Temperature	335°F - 370°F	168°C - 188°C
Typical Heater Settings	30 - 50% Top	50 - 70% Bottom
Drying	Not required	Not required



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