

KING FLAME SHIELD

Upgrade to King FlameShield ASTM E-84 Class A Flame Compliance and CAN/ULC- S102 for Canadian Compliance

King Plastic Corporation HDPE products with King FlameShield are improved in physical properties and cost effective compared to competing materials. We offer a Class A upgrade that improves the material's overall physical properties to be more resistant to burning under flammable conditions.

ASTM E-84 is the primary standard used worldwide for contractors, architects and engineers to improve product quality and enhance safety. Additional details are available at astm.org

For more information on King FlameShield, visit www.kingplastic.com

Applications

- Bathroom Partitions
- Case Goods
- Contract Furniture
- Decorative Ceiling Panels
- Interior Signage
- Lockers
- Shelving
- Wall Panels

Specifications

Please refer to specific product

Properties	Units	ASTM	Nominal Values
Density	g/cc	D1505	1.04
Tensile Strength @ Break	psi	D638	1,170
Tensile Strength @ Yield	psi	D638	3,780
Tensile Modulus of Elasticity	psi	D638	183,000
Elongation @ Break	%	D683	53
Elongation @ Yield	%	D638	8.6
Flexural Modulus	psi	D790	179,000
Flexural Stress @ 5% Strain	psi	D790	4,330
Durometer	Shore D	D2240	71
Vicat Softening Temp.	°C (°F)	D1525	129°C (264°F)
Heat Deflection Temp. 66 psi	°C (°F)	D648	86.6°C (188°F)
Thermal Expansion	in./in./°F	D696	6 x 10 ⁻⁵

Properties	Units	ASTM	Class A
Surface Burning Characteristics	FSI & SDI	E84	20 & 60
Surface Burning Characteristics	FSV & SDV	ULC-S102	20 & 65

All values are determined on specimens prepared according to ASTM standards.

Nominal values should not be interpreted as specifications.

For ASTM E-84 Class B, please call customer service.

Tolerance information:

Please refer to specific product information

Disclaimer: FlameShield will affect finish and color



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Our Innovation. Your Imagination.®

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MADE IN USA