

KING FLAME SHIELD

King FlameShield (ASTM E84 Class A/B) and CAN/ULC-S102 for Canadian Rating

Property	Test Method	Nominal Value		Units
Density	ASTM D1505	1.3 - 1.35		g/cc
Tensile Strength @ Yield	ASTM D638	3,780		psi
Tensile Strength @ Break	ASTM D638	1,170		psi
Tensile Modulus of Elasticity	ASTM D638	183,000		psi
Elongation @ Break	ASTM D638	53		%
Elongation @ Yield	ASTM D 638	8.6		%
Flexural Modulus	ASTM D790	179,000		psi
Flexural Stress @ 5% Strain	ASTM D790	4,330		psi
Durometer (Hardness)	ASTM D2240	71		Shore D
Vicat Softening Temp	ASTM D1525	264		°F
Heat Deflection Temp @ 66 psi	ASTM D648	188		°F
Co-efficient of Linear	ASTM D696	6 x105		in/in/°F
Thermal Expansion		Class A	Class B	
Surface Burning Characteristics	ASTM E84	20 & 60	60 & 450	FSI & SDI
Surface Burning Characteristics	ULC-S102	20 & 65	60 & 450	FSI & SDI

*All values are determined on specimens prepared according to ASTM Standards. Nominal values should not be interpreted as specifications



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