

# KING FLAME SHIELD

## King FlameShield (ASTM E84 Class A) 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			
Surface Burning Characteristics	ASTM E84	20 & 60	FSI & SDI
Surface Burning Characteristics	ULC-S102	20 & 65	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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