

## » PRODUCT TESTS IN ACCORDANCE WITH INTERNATIONAL STANDARDS



Attribute	Test in acc. with ASTM C552	Test in acc. with EN ISO 14305	Others
Density	ASTM C 303	EN 822/823/1602	
Compression Strength	ASTM C 165	EN 826	
Flexural (Bending) Strength	ASTM C 203	EN12089	
Point Loading		EN 12430	
Dimensional Stability		EN 1604	
Water Absorption	ASTM C 534	EN 1609 / EN 12087	
Water Vapour permeability	ASTM E 96	EN 12086	
Thermal Conductivity	ASTM C 177	EN 12667	
Hot-Surface Performance	ASTM C 411	EN 14706	
Fire Performance	ASTM E 84	A1 in acc. with EN 14305 4.2.4	DIN 4102-1 BS 476 Part 7*, Imo Part 5*
Stress Corrosion	ASTM C 795		
Leachable Chloride	ASTM C 871	EN 13468	
Closed Cell Content			ISO 4590
Organic Content		EN 13820	

\* Tests in process

Kaiglass is tested in acc. to ASTM C552 & EN ISO 14305 to fulfil international requirements like Norsok R-004



## » TECHNICAL PRODUCT SPECIFICATION

Attribute		
Material	CE conform insulation made of soda-lime silicate glass	
Cell structure	100% Closed Cell	EN ISO 4590
Colour	Black	
Upper Temperature Limit	+430°C	EN 14706
Lower Temperature Limit	-260°C	see application procedures below -170°C
Thermal Conductivity at +10°C	0.041 W/(m·K)	EN 12667
Water Vapour Resistance	$\mu \geq 40\ 000 / \infty$	EN 12086 / ASTM C 534
Water Absorption	< 0.2% by Vol	EN 1609 / EN 12087
Capillarity	None	
Fire Performance: EuroClass	A1 (non combustible)	declared in acc. to conformity with EN 14305
Reaction to fire	Flame Spread Index 0 Smoke Development Index 0	ASTM E 84
Density	120 kg/m <sup>3</sup> ( $\pm 10\%$ )	EN 822 / 823 / 1602
Dimensional Stability	Excellent, does not shrink, swell or warp	EN 1604
Compressive Strength	0.7 N/mm <sup>2</sup>	EN 826
Point Load	0.5 mm	EN 12430

