



## **POLAR CAP Fire Resistance Specs 12-19-09**

### **Fusible Link**

The SubZero Polar CAP Utilizes Elsie Manufacturing Fusible Links.

**UL # JGIX.R4059**

#### **MODEL A Fusible Link**

Length 2.625 Width 0.875

Distance between centers - 1.750 Temperatures: UL Listed in 135, 165, 212, 350, 370 and 386 degrees F.

Special temperatures available; for loads 1 to 30 pounds inclusive.

Used For Fire Protection

Listed by Underwriters Laboratories, Inc.

Mechanical Heat Activated Device

### **Vinyl Panel Component**

30 Mil Thickness

Vinyl roof component is considered fire resistant.

Meets requirements of California Fire Marshall (see test results page two)

Meets requirements of CPAI-84

Meets requirements of NFPA-701 (see test results page three)

1,000 Hours U.V. - ASTM Weatherometer



## ROBECO

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8/22/2008

Robeco/Ascot Products Inc.  
100 Ring Road West  
Garden City New York 11530

Subject: KGC163L 30 mil. 3S Clear Lot #103909 Cust. P.O. K-0684  
Reference: Cal. State Fire Marshal Publication on Flame-Retardant Chemicals,  
Fabric Application Concerns Laws and Regulation.

This material was tested in accordance with the California State Fire Marshal procedure with the following results:

	Sample No.	After Flame Time (sec.)	Char Length (ins.)
Machine Direction	1	0.77	3.00
	2	1.83	2.25
	3	2.42	2.50
	4	3.14	2.50
	5	2.18	2.25
	6	1.16	2.25
	AVG	0.97	2.63
Transverse Direction	1	2.38	3.25
	2	1.03	2.75
	3	1.39	2.50
	4	2.44	2.50
	5	1.98	2.75
	6	1.51	2.50
	AVG	1.95	2.88
	Maximum Length		3.25

**Requirements:**

After flame time: 4.0 seconds average each direction.

Char length: 6.0 inches maximum any individual specimen

Material meets the requirements of the California State Fire Marshal.

  
 Binh Nguyen  
 Technical Manager

NOTE: This information is, to the best of the company's knowledge, accurate under normal conditions; however, it does not apply in all cases. The summary chart is intended only as a guideline and all recommendations are made without guarantee since conditions of use are beyond our control.





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Subject: KGC163E 30 mil. 3S Clear Lot #103909 Cust. P.O. K-0884  
Reference: NFPA-701 1989 Edition small-scale test. Test results are as shown below.

### Test Results

Sample #	Flame Time	Char Length	Drip Burn time Seconds
Machine Direction			
1	1.03		
2	1.22	2.50	0.00
3	1.26	3.00	0.00
4	1.26	3.00	0.00
5	0.97	3.25	0.00
Transverse Direction			
1	1.07	3.00	0.00
2	0.70	3.25	0.00
3	1.22	3.00	0.00
4	0.88	3.00	0.00
5	1.13	3.25	0.00
Average	1.08	3.03	0.00
Maximum		3.25	

Requirements:  
Maximum after flame time: 2.0 Seconds  
Maximum char length (Individual): 4.5 inches  
Average char length 10 Specimens: 3.5 inches  
Maximum drip flame time: 0.0 Seconds

Material meets the requirements of NFPA-701

  
Binh Nguyen  
Technical Manager

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