

103/2 II

Preparation - Instructions

**PLAINTIFF'S
EXHIBIT**
AL-632

Price/bowl: \$0.50

१०.१०

\$2.00

02-38

test

丁

[illegible]

Table II - Coats

Properties - Insulations

47-632

	\$0.16	\$0.12	\$0.06	Standard PM-10						
Johns-Manville Superduty 600										
Primary Resistance Thermal Temperature	100	810	1000							
°F	2000	1600	1832							
Pk Density, lb/ft ³	2.4	1.4	250	150						
Compressive Strength, PSI										
For 10% deformation	0.95 (1900)	2.12 (44,100)	.87 (1900)							
20% "	1.30 (27,000)	1.86 (39,100)	.75 (15,400)							
30% "	1.81 (37,200)	1.94 (40,500)								
40% "	2.59 (54,000)	2.42 (50,400)								
50% "	4.58 (95,400)	3.59 (14,700)								
60% "	8.21 (171,000)	5.62 (117,000)								
2000 Change %										
Affix: 100% (230°)										
540° (100°)	-0.2	—	-0.3							
1100° (100°)	-2.8	—	-2.0							
LOT, %										
Affix: 100% (200°)										
540° (100°)	-5.4		-7.0%							
1100° (200°)	-8.9		-12%							
Normal Conductivity, W/m ² (85-101°)										
100° (200°)	0.08 (0.58)	0.07 (0.46)	.06 (0.45)							
210° (400°)	0.09 (0.62)	0.07 (0.48)	.07 (0.45)							
320° (600°)	0.09 (0.65)	0.08 (0.55)	.09 (0.65)							
430° (800°)	0.10 (0.70)	0.10 (0.68)	0.10 (0.70)							
540° (1000°)	0.12 (0.80)	0.13 (0.87)	0.12 (0.80)							
8-Insulation	81.6	86.3	87.2							
— R-Value	Trans. Loss	Excell. Loss	Excell. Loss							

ALCOA LABORATORIES

Chemical Analysis - Introduction

Manufacturer's Data

FORM 0270 (REV. 8-74)

ALCOA LABORATORIES

Table I-5005

	Shore - 10.50th	Shore - 10.50th	Shore - 10.50th
	Shore - 10.50th	Shore - 10.50th	Shore - 10.50th
Chemical Analysis	Chemical Analysis	Chemical Analysis	Chemical Analysis
Al ₂ O ₃	4.3	1.2	100
SiO ₂	74.8	49.6	9.040
CaO	6.0	37.6	
Fe ₂ O ₃	2.0	0.3	
TiO ₂	0.3	trace	
MgO	0.8	0.2	
Alkalies	2.7	—	
X-ray Analysis	1. mod. SiO ₂	1. low	1. CaSiO ₃ (OH) ₂
	Ca carbonate	Ca ₅ (OH) ₂ Si ₆ O ₆ .4H ₂ O	
	2.5ml SiO ₂	(to be reported)	
	(Alpha quartz)	5CO ₂	
	3.0.5ml		
	10400.00		
	4. low. - Amorphous		