

Ruberoid Calsilite is an improved calcium silicate insulation, precisely molded to fit accurately with fewer and tighter joints. It is uniform, smooth, and free of voids . . . cuts easily and mitres cleanly without special equipment . . . applies quickly to cut costs even on involved installations.

Calsilite is not soluble in water and is not affected by most normal acids and alkalis. It retains its shape even when completely saturated and returns to normal thermal efficiency when dry. Calsilite has an extremely low thermal conductivity, is chemically stable, will not rot, and will not support combustion.

Lightweight and strong, Calsilite handles easily and takes unusual punishment without serious damage. It finishes smoothly providing a clean, neat appearance. The new sectional design cuts job time and saves money by doing away with piece-by-piece installation. Its fine texture makes it easy to cut and fabricate without crumbling or breaking . . . reducing wasted time and materials. Compatible Ruberoid cements seal joints and fittings neatly.

USES: The low K factor of Calsilite makes it perfect for application on industrial piping and equipment operating at temperatures up to 1250°F; its resistance to water damage allows its use on high moisture or high humidity installations, inside or out, below or above ground. Application in areas of high inflammability are safe because of the fireproof qualities of Calsilite.

AVAILABLE FORMS AND SIZES: Calsilite is available to fit all standard pipe and tubing. Half sectional Calsilite is available for pipe up to 24" IPS, segmental Calsilite above 24" IPS, in all thicknesses up to and including 3". Calsilite Block is available up to 4" thickness in 6" and 12" widths. *seal inner - 1/2" up to 4" thick*

SPECIFICATIONS: Calsilite Insulation meets ASTM Specification C-533-64T and Federal Specification HH-I-00523B (GSA-FSS) for Block and Pipe Covering. Calsilite Pipe Covering meets Specification MIL-I-2781-D dated June 13, 1963. Calsilite Block meets Specification MIL-I-2819D dated August 9, 1963.



FORMS EASILY



TIGHTER JOINTS



FULL SIZE RANGE



NEAT APPEARANCE

PLAINTIFF'S
EXHIBIT
GF-2300

GAF 19876

Technical Data / Ruberoid Pressure Molded Calsilite

DESIGN DATA

Property	Value
Thermal Conductivity / Mean Temp. (BTU/sq. ft./inch/hr./°F.)	✓ 200°F 300°F 400°F 500°F 600°F 0.35 0.40 0.45 0.50 0.55
Density (Average)	✓ 12.5 lbs. / cu. ft.
Flexural Strength (Average)	✓ 100 lbs. / sq. in.
Resistance to Abrasion (Loss in weight—max.)	After 10 min.—10%; after 20 min.—20%
Change under Soaking Heat (Loss of weight)	24 hrs. @ 1200°F.—7.5%; 6 hrs. @ 1000°F.—7.0%
Linear Shrinkage	24 hrs. @ 1200°F.—1.5%; 6 hrs. @ 1000°F.—0.5%
Compressive Strength (After immersion in water for 16 hours, while wet)	OK 120 psi to produce 5% deformation

RECOMMENDED THICKNESSES

Nominal Pipe Size, Inches ↓	PIPE / UTILITY—STEAM GENERATION										PIPE / PROCESS									
1½ & less	1	1	1	1½	1½	1½	2	2½	2½	2½	3	1	1	1	1	1	1½	1½	1½	1
2	1	1	1	1½	1½	1½	2	2½	2½	2½	3	1	1	1	1	1	1½	1½	1½	2
2½	1	1	1½	1½	2	2	2½	2½	3	3	3½	1	1	1	1	1	1½	1½	1½	2
3	1	1	1½	1½	2	2	2½	2½	3	3	3½	1	1	1	1	1	1½	1½	1½	2
3½	1	1½	1½	2	2	2½	3	3	3½	3½	4	1	1	1	1	1	1½	1½	1½	2
4	1	1½	1½	2	2	2½	3	3	3½	3½	4	1	1	1	1	1	1½	1½	1½	2
4½	1	1½	1½	2	2	2½	3	3	3½	3½	4	1	1	1	1	1	1½	1½	1½	2
5	1	1½	1½	2	2½	2½	3	3½	3½	3½	4	1	1	1	1	1	1½	1½	1½	2
6	1	1½	2	2	2½	2½	3	3½	3½	3½	4	1	1	1	1	1	1½	1½	1½	2
7	1½	1½	2	2	2½	2½	3	3½	3½	3½	4	1½	1½	1½	1½	1½	2	2	2½	2
8	1½	1½	2	2	2½	2½	3	3½	3½	3½	4	1½	1½	1½	1½	1½	2	2	2½	2
9	1½	1½	2	2	2½	2½	3	3½	3½	3½	4	1½	1½	1½	1½	1½	2	2	2½	2
10	1½	1½	2	2½	3	3	3½	4	4	4	4½	1½	1½	1½	1½	1½	2	2	2½	2
11	1½	1½	2	2½	3	3	3½	4	4	4	4½	1½	1½	1½	1½	1½	2	2	2½	2
12	1½	1½	2	2½	3	3	3½	4	4	4	4½	1½	1½	1½	1½	1½	2	2	2½	2
14 & up	1½	1½	2	2½	3	3	4	4	4½	4½	5	1½	1½	1½	1½	2	2	2½	2½	3

PACKAGING DATA

PIPE SIZE —		½"	¾"	1"	1¼"	1½"	2"	2½"	3"	3½"	4"	4½"	5"	6"	7"	8"	9"	10"	11"	12"	14"	16"	18"	20"	21"	22"	24"
Nom. Sections per Ctn.		45	45	25	25	21	18	16	15	9	9	8	8	6	—	—	—	—	—	—	—	—	—	—	—	—	—
1" Av. Gross Wgt. per Ctn. (lbs.)		100	95	75	70	70	70	70	70	65	55	65	55	45	—	—	—	—	—	—	—	—	—	—	—	—	—
Tl. Ctn. Number		201	201	212	212	201	201	202	221	202	202	203	203	204	—	—	—	—	—	—	—	—	—	—	—	—	—
Nom. Sections per Ctn.		21	21	18	18	15	15	9	9	8	8	8	8	6	—	—	—	—	—	—	—	—	—	—	—	—	—
1½" Av. Gross Wgt. per Ctn. (lbs.)		90	85	80	85	80	80	80	80	75	75	75	75	65	—	—	—	—	—	—	—	—	—	—	—	—	—
Tl. Ctn. Number		201	201	201	202	202	202	202	203	203	204	204	205	206	207	208	209	210	211	212	213	215	215	202	—	—	—
Nom. Sections per Ctn.		18	18	15	15	15	9	9	8	8	8	8	8	6	—	—	—	—	—	—	—	—	—	—	—	—	—
2" Av. Gross Wgt. per Ctn. (lbs.)		105	105	115	120	95	85	100	90	85	80	70	60	70	40	45	50	50	55	30	30	35	35	35	40	40	45
Tl. Ctn. Number		202	202	221	221	202	202	203	203	204	205	205	206	207	208	209	210	210	211	212	213	215	215	202	—	—	—
Nom. Sections per Ctn.		9	9	9	9	8	8	8	8	8	8	8	8	6	—	—	—	—	—	—	—	—	—	—	—	—	—
2½" Av. Gross Wgt. per Ctn. (lbs.)		100	100	100	95	110	105	100	90	80	75	85	80	50	60	60	65	35	40	40	40	45	50	50	55	55	60
Tl. Ctn. Number		202	202	202	202	203	203	204	204	205	205	206	206	207	208	209	210	210	211	212	213	215	215	202	206	214	215
Nom. Sections per Ctn.		8	8	8	8	8	8	8	8	8	8	8	8	6	—	—	—	—	—	—	—	—	—	—	—	—	—
3" Av. Gross Wgt. per Ctn. (lbs.)		120	115	115	110	105	100	85	80	95	90	55	55	60	65	70	75	40	45	50	50	55	55	60	80	85	70
Tl. Ctn. Number		203	203	203	203	204	204	205	205	206	206	207	207	208	209	210	210	211	212	213	215	215	202	206	214	215	216

CODE SIZE OF CARTONS

102—18½" x 12½" I.D.
201—27½" x 14" I.D.
202—21½" x 21½" I.D.
203—32" x 16" I.D.
204—27" x 18" I.D.

205—20½" x 20½" I.D.
206—22½" x 22½" I.D.
207—24" x 12" I.D.
208—28" x 13" I.D.
209—18½" x 14½" I.D.

210—30½" x 15½" I.D.
211—17½" x 17½" I.D.
212—18½" x 18½" I.D.
213—19½" x 19½" I.D.
214—23½" x 23½" I.D.

215—24½" x 24½" I.D.
216—25½" x 25½" I.D.
217—26½" x 26½" I.D.
218—27½" x 27½" I.D.
219—28½" x 28½" I.D.
221—28½" x 17½" I.D.

*At temperatures above 600°F. pipe expansion is a significant factor. For best results pipe insulation should be applied in double-layer construction with staggered joints for all temperatures above 600°F. This construction prevents excessive heat losses and surface temperatures at the joints, caused by pipe expansion, thus eliminating scorched or burned jackets. The construction also minimizes the potential fire hazard of opening jackets to higher temperatures at the joints. Double-layer, staggered joint construction also minimizes thermal stresses in the insulation by reducing the temperature differential across each layer.

†Tabulated thicknesses are optimum thicknesses calculated on an economic (from "How to Determine Economic Thickness of Insulation"—National Insulation Manufacturers Association) basis for heat conservation under average operating conditions and assure adequate temperature control. Other conditions may warrant the use of other thicknesses.

Insulation Thickness, inches	Nominal Pipe Size, inches																			
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	9	10	11	12	14
1	1.34	1.27	1.57	1.57	2.18	2.58	2.88	3.35	3.82	4.24	5.14	5.68	5.48	—	—	—	—	—	—	—
1 1/2	2.75	2.86	3.30	4.02	3.85	4.56	6.43	5.70	7.85	7.98	8.91	7.83	8.78	10.3	11.5	12.3	14.3	13.4	16.3	17.9
2	4.45	4.33	5.28	5.11	4.93	6.91	9.26	8.53	10.6	9.98	12.3	11.2	13.0	14.3	15.6	16.5	19.6	21.1	22.9	23.3
2 1/2	7.83	7.76	7.84	7.46	10.1	9.71	12.1	11.2	13.8	13.2	16.3	15.4	17.8	18.7	21.8	23.7	25.1	27.5	28.2	29.9
3	10.5	10.4	10.3	10.1	13.0	12.6	15.4	14.5	18.1	17.4	20.4	19.3	21.4	24.8	27.1	28.2	31.5	33.7	35.9	36.8

PIPE / COMMERCIAL— FULL YEAR OPERATION					PIPE / COMMERCIAL— SEASONAL OPERATION					BLOCK									
1	1 1/2	2	2 1/2	2 1/2	1	1	1 1/2	1 1/2	2	Utility—Steam Generation									
1	1 1/2	2	2 1/2	3	1	1	1 1/2	1 1/2	2	1 1/2 1 1/2 2 2 1/2 3 3 3 1/2 4 4 4 1/2 4 1/2									
1 1/2	2	2 1/2	3	3 1/2	1	1 1/2	1 1/2	2	2 1/2	Process									
1 1/2	2	2 1/2	3	3 1/2	1	1 1/2	1 1/2	2	2 1/2	1 1/2 1 1/2 1 1/2 1 1/2 1 1/2 2 2 2 2 1/2 2 1/2 3									
1 1/2	2	2 1/2	3	3 1/2	1	1 1/2	1 1/2	2	2 1/2	Commercial—Full Year Operation									
1 1/2	2	2 1/2	3	3 1/2	1	1 1/2	1 1/2	2	2 1/2	1 1/2 2 1/2 3 1/2 4 4 1/2 — — — — —									
1 1/2	2	2 1/2	3	3 1/2	1	1 1/2	1 1/2	2	2 1/2	Commercial—Seasonal Operation									
1 1/2	2	2 1/2	3 1/2	4	1 1/2	2	2 1/2	3	3 1/2	1 1 1 1 1/2 2 2 1/2 — — — — —									

	PIPE SIZE —	12"	14"	16"	18"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"	40"	42"	44"	46"	48"
Nominal	Segments per Section	9	9	10	10	11	11	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	22	23	24	25	26	27		
1½" Thick	Actual S.S. of Covering	16"	17"	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"	41"	43"	45"	47"	49"	51"		
Nominal	Segments per Section	9	10	10	11	11	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	24	25	26	27	28		
2" Thick	Actual S.S. of Covering	17"	19"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"	40"	42"	44"	46"	48"	50"	52"		
Nominal	Segments per Section	10	10	11	11	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	23	24	25	26	27	28		
2½" Thick	Actual S.S. of Covering	18"	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"	40"	41"	43"	45"	47"	49"	51"	53"		
Nominal	Segments per Section	10	11	11	12	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	24	25	26	27	28	29		
3" Thick	Actual S.S. of Covering	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"	37"	38"	39"	40"	41"	42"	44"	46"	48"	50"	52"	54"		

PIPE SIZE —		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Thickness Per Carton		72	60	54	42	36	27	21	18	13.5
Square Feet		48	40	36	28	24	18	14	12	9
Pieces		48	40	36	28	24	18	14	12	9
Average Gross Weight of Carton—43 lbs. All Blocks are packaged in No. 102 Cartons.										
CURVED BLOCKS — SEGMENTS										
1 1/2" thick 24 per ctn. / 2" thick 18 per ctn. / 2 1/2" thick 14 per ctn. / 3" thick 12 per ctn.										
All Segments are packaged in No. 102 Cartons										
PIPE SIZE —		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Sections per Ctn.		45	45	45	45	25	25	25	21	18
Avg. Gross Wgt. per Ctn. (lbs.)		75	74	71	68	60	57	53	70	70
Ctn. Number		201	201	201	201	212	212	212	201	201

GAF 19878

Heat Loss Data Ruberoid Pressure Molded Calsilite

KEY: T—Nominal Insulation Thickness / HL—Heat Loss (BTU/lin. ft./hr., ambient still air at 80°F) / E—Insulation Efficiency / ST—Surface Temperature (for common surface finishes having an emissivity of approximately 0.90)

PIPE TEMP. -- PIPE SIZE ↓	200°F				400°F				600°F				800°F				1000°F				1200°F			
	T	HL	E	ST	T	HL	E	ST	T	HL	E	ST	T	HL	E	ST	T	HL	E	ST	T	HL	E	ST
1/2	1	15.7	77.8	95	1	47.9	82.5	120	1	87.5	86.0	146	1	135	88.7	173	1 1/2	159	82.2	162	1 1/2	211	83.5	181
	1 1/2	13.4	80.9	88	1 1/2	40.6	85.2	105	1 1/2	73.9	88.2	123	2	97.1	91.8	125	2 1/2	119	84.2	122	2 1/2	157	85.2	133
	2	11.5	83.5	87	2	34.9	87.3	98	2 1/2	55.5	91.1	101	2 1/2	84.9	82.9	111	3	112	84.5	115	3	148	85.5	125
3/4	1	19.0	77.7	98	1	58.0	82.8	127	1	106	86.2	158	1	164	88.8	189	1 1/2	179	82.9	170	1 1/2	238	84.1	192
	1 1/2	15.1	82.3	91	1 1/2	45.7	86.5	109	1 1/2	83.2	89.2	128	2	111	92.4	131	2 1/2	133	84.7	127	2 1/2	176	85.7	139
	2	13.2	84.5	89	2	39.9	89.2	101	2 1/2	62.2	91.9	104	2 1/2	95.2	93.5	115	3	125	85.1	119	3	165	85.9	130
1	1	19.8	81.1	95	1	60.4	85.5	121	1	111	88.4	148	1	170	90.7	176	1 1/2	195	83.8	184	1 1/2	258	84.9	188
	1 1/2	16.4	84.4	90	1 1/2	48.7	88.0	108	1 1/2	90.4	90.5	127	2	120	93.4	130	2 1/2	152	85.2	132	2 1/2	201	86.0	146
	2	14.2	86.5	88	2	43.1	89.6	100	2 1/2	70.6	92.6	107	2 1/2	106	94.1	119	3	140	85.5	123	3	186	86.3	135
1 1/4	1	25.5	80.4	99	1	78.1	84.9	132	1	144	88.0	185	1	222	90.3	197	1 1/2	218	84.5	189	1 1/2	280	85.4	189
	1 1/2	18.4	85.9	91	1 1/2	55.6	88.2	108	1 1/2	102	91.5	127	2	143	93.7	138	2 1/2	177	85.5	139	2 1/2	234	86.3	155
	2	16.9	87.1	89	2	51.3	90.1	104	2 1/2	82.3	93.1	111	2 1/2	126	94.5	125	3	182	85.9	129	3	214	86.6	142
1 1/2	1	26.0	82.3	98	1	78.4	88.4	127	1	146	89.3	157	1	224	91.4	187	1 1/2	248	84.5	178	1 1/2	329	85.5	200
	1 1/2	20.8	85.9	92	1 1/2	63.1	89.2	112	1 1/2	115	91.5	133	2	140	94.6	129	2 1/2	177	86.1	133	2 1/2	234	86.8	147
	2	16.6	88.8	87	2	56.1	91.4	100	2 1/2	82.4	93.9	107	2 1/2	127	95.2	120	3	183	86.4	124	3	216	87.1	136
2	1	29.9	83.4	98	1	81.3	87.3	127	1	167	90.0	158	1 1/2	198	93.8	185	1 1/2	278	85.0	178	2	311	86.5	173
	1 1/2	23.3	87.1	92	1 1/2	70.8	90.2	112	1 1/2	128	92.3	133	2	168	94.8	137	2 1/2	208	86.3	140	3	251	87.2	143
	2	19.8	89.1	89	2	60.0	91.7	103	2	98.3	94.7	106	2 1/2	149	95.4	126	3	190	86.6	130	3 1/2	232	87.4	134
2 1/2	1	34.4	84.1	98	1	105	87.8	129	1	193	90.4	180	1 1/2	205	94.7	147	1 1/2	287	85.7	168	2	329	87.0	167
	1 1/2	24.2	88.8	90	1 1/2	73.3	91.5	108	2	116	94.2	117	2 1/2	159	95.9	123	2 1/2	222	86.7	137	3 1/2	247	87.7	132
	2	21.0	90.3	88	2 1/2	57.0	93.4	98	3	94.7	95.3	105	3	145	96.2	118	3	203	87.0	129	4	232	87.9	126
3	1	40.7	84.2	99	1	125	88.0	131	1	229	90.5	184	1 1/2	264	94.3	182	1 1/2	371	85.4	184	2	409	86.9	183
	1 1/2	31.0	88.0	93	1 1/2	94.2	90.9	115	2	144	94.3	124	2 1/2	182	95.9	131	3	242	87.0	136	3 1/2	290	87.8	139
	2	26.0	89.9	90	2 1/2	68.9	93.3	101	2 1/2	103	95.8	104	3 1/2	157	96.6	115	4	204	87.5	121	4 1/2	253	88.1	126
3 1/2	1	38.4	86.8	96	1	118	90.0	122	1 1/2	172	93.7	131	1 1/2	264	95.0	153	2	314	86.6	156	2 1/2	367	87.5	159
	1 1/2	31.0	89.4	91	1 1/2	94.1	92.0	111	2	147	94.7	120	2	224	95.8	138	3	248	87.3	132	4	282	88.1	130
	2	26.5	90.9	89	2	80.3	93.1	104	2 1/2	129	95.3	113	3	177	96.7	119	3 1/2	226	87.5	125	5	261	88.3	124
4	1	48.8	85.0	99	1	150	88.8	132	1 1/2	208	93.2	140	1 1/2	319	94.6	163	2	389	86.4	167	2 1/2	422	87.3	164
	1 1/2	37.4	88.5	94	1 1/2	114	91.3	118	2	172	94.4	126	2 1/2	227	96.2	133	3	280	87.3	138	4	313	88.1	135
	2	31.0	90.5	90	2	94.0	92.8	107	2 1/2	120	96.1	106	3	200	96.6	124	3 1/2	256	87.5	130	4 1/2	288	88.3	127
4 1/2	1	45.8	87.3	96	1	140	90.3	123	1 1/2	203	94.0	133	1 1/2	311	95.3	156	2	388	86.8	159	2 1/2	420	87.7	161
	1 1/2	38.6	89.8	92	1 1/2	112	92.3	112	2	171	95.0	122	2 1/2	227	96.8	129	3	286	87.5	135	4	317	88.3	131
	2	31.0	91.4	89	2 1/2	81.3	94.4	100	2 1/2	123	96.4	104	3	205	96.9	121	3 1/2	262	87.7	128	5	298	88.4	126
5	1	59.3	85.0	100	1	182	88.6	134	1 1/2	249	93.4	143	1 1/2	382	94.8	169	2	436	86.6	170	2 1/2	484	87.8	170
	1 1/2	44.7	88.7	94	1 1/2	136	91.5	118	2 1/2	171	95.5	118	2 1/2	262	96.4	135	3 1/2	295	87.7	132	4	353	88.3	136
	2	36.6	90.8	91	2 1/2	93.9	94.1	102	2 1/2	138	96.3	107	3	233	96.8	126	4	287	87.9	124	5	310	88.5	125
6	1	70.4	84.9	101	1	216	88.5	136	1 1/2	291	93.4	145	2	352	95.9	150	2 1/2	421	87.2	155	2 1/2	504	87.7	173
	1 1/2	52.2	88.8	95	2	126	93.3	109	2 1/2	186	95.8	120	2 1/2	301	96.5	137	3 1/2	327	87.8	133	4	398	88.4	139
	2	41.4	91.1	91	2	95.2	95.0	100	2 1/2	141	96.8	104	3	265	96.9	128	4	301	88.0	126	5	344	88.8	127
7	1 1/2	56.8	89.3	94	1 1/2	174	91.9	119	1 1/2	317	93.8	144	2	394	96.0	151	2 1/2	468	87.3	157	2 1/2	622	87.8	175
	2	46.3	91.3	91	2	141	93.5	110	2 1/2	219	95.7	121	2 1/2	335	96.6	138	3 1/2	361	87.9	134	4	438	88.4	140
	2 1/2	39.5	92.6	89	2 1/2	103	95.2	99	3	155	97.0	104	3	286	97.1	127	4	331	88.1	128	5	380	88.7	129
8	1 1/2	63.2	88.4	95	1 1/2	193	92.1	119	1 1/2	352	93.4	145	2	435	96.1	152	2 1/2	496	87.4	155	3	582	88.2	180
	2	51.2	91.4	91	2	156	93.6	110	2 1/2	232	95.8	120	3	314	97.2	128	3 1/2	395	88.0	135	4 1/2	443	88.6	135
	2 1/2	42.1	92.9	89	2 1/2	113	95.3	100	4	169	97.1	105	3 1/2	283	97.5	122	4	361	88.1	129	5	413	88.7	130
9	1 1/2	69.4	89.5	95	1 1/2	212	92.1	120	1 1/2	387	93.8	145	2	455	96.3	149	2 1/2	544	87.5	156	3	633	88.2	181
	2	53.6	91.9	91	2	163	93.8	109	2 1/2	253	96.0	120	3	341	97.2	129	3 1/2	429	88.0	136	4 1/2	478	88.6	136
	2 1/2	45.9	93.0	89	2 1/2	127	95.4	100	4	183	97.1	106	3 1/2	307	97.5	122	4	392	88.2	130	5	446	88.7	131
10	1 1/2	74.0	89.9	94	1 1/2	226	92.4	119	2	333	95.3	131	2 1/2	432	96.9	140	2 1/2	606	87.5	159	3 1/2	626	88.4	153
	2	60.0	91.8	91	2	183	93.9	110	3	247	96.5	115	3	378	97.3	131	3 1/2	473	88.0	138	4 1/2	524	88.7	138
	2 1/2	51.0	93.0	89	2 1/2	136	95.4	101	4	201	97.1	107	3 1/2	338	97.6	124	4	430	88.2	131	5	487	88.8	132
12	1 1/2	87.3	89.8	95	1 1/2	286	92.4	120	2	389	95.3	132	2 1/2	503	96.9	141	2 1/2	704	87.5	161	3 1/2	721	88.5	156
	2	70.3	91.8	92	2	214	93.9	111	3	285	96.6	116	3	437	97.3</									