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RESULTS OF U.S.P.H.S. SURVEY

RAYBESTOS-MANHATTAN, INCORPORATED
Manheim, Pennsylvania

August, 1967

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16. Abstract (Limit: 200 words) Personal air sampling for asbestos (1332214) exposure was conducted by the United States Public Health Service at Raybestos Manhattan, Incorporated (SIC-3292), at Manheim, Pennsylvania during August, 1967. Only sampled fiber sizes greater than 5 microns in length were reported. Atmospheric fiber concentrations produced during textile operations ranged from 0.1 fibers per milliliter (f/ml) near one tape weaver to 16.8f/ml wear a card operator. Samples taken during friction operations ranged from none detected to 12.3f/ml near one edge grinder operator. Packing operations produced air fiber concentrations ranging from 0.6f/ml near a mixer and an edge trimmer to 12.8f/ml near the braider.				
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RESULTS OF USPHS SURVEY
 RAYBESTOS MANHATTAN INC.
 Manheim, Pennsylvania
 August, 1967

OPERATION AND JOB	SAMPLE #	FIBER CONCENTRATION FIBERS >5 μ IN LENGTH/ML
TEXTILE PERSONAL SAMPLES		
<i>Fiber Preparation</i>		
Stock Opening Operator	103	10.7
Blender Operator	102	3.0
Blender Operator	101	3.5
Blender Operator	105	7.8
Waste Machine Operator	104	11.7
Fixer	100	2.3
<i>Carding</i>		
Card Operator	107	16.8
Card Operator	106	3.6
Card Operator	119	1.8
Card Operator	108	7.2
Card Operator	116	8.9
Card Operator	109	13.3
Card Stocker	118	8.2
<i>Spinning</i>		
Ring Spinner	110	8.9
Ring Spinner	114	2.9
Ring Spinner	115	6.1
Ring Spinner	113	3.3
Ring Spinner	111	4.6
Ring Spinner	112	6.3
<i>Twisting</i>		
Twister	126	6.1
Twister	127	0.5
Twister	124	2.2
Twister	123	3.7
Twister	125	1.6
Twister	128	1.7

OPERATION AND JOB	SAMPLE #	FIBER CONCENTRATION FIBERS >5 μ IN LENGTH/ML
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TEXTILE PERSONAL SAMPLES

Weaving

Cloth Weaver	14	1.4
Cloth Weaver	122	1.6
Cloth Weaver	15	11.8
Cloth Weaver	117	0.3
Cloth Weaver	121	0.7
Tape Weaver	13	1.7
Tape Weaver	21	1.0
Tape Weaver	20	0.3
Tape Weaver	18	0.1
Tape Weaver	17	1.3
Tape Weaver	19	5.4
Tape Weaver	22	1.0

FRICTION PERSONAL SAMPLES

Mixing, Coating and Extruding

Mixer	241	4.3
Mixer	242	7.2
Preform Operator	245	5.3
Preform Operator	244	0.9
Preform Operator	228	0.4

Forming

Chevron Winder	94	0.2
Chevron Winder	96	0.5
Chevron Winder	93	3.0
Chevron Winder	97	2.6
Chevron Winder	95	6.1
Calendar Operator	238	3.1
Calendar Operator	29	0.3
Slitter Operator	239	1.0

Hot Pressing

Hot Press Operator	85	0.2
Hot Press Operator	88	4.2
Hot Press Operator	90	1.6
Hot Press Operator	243	6.4
Hot Press Operator	89	1.5
Hot Press Operator	86	0.2
Hot Press Operator	84	0.2
Hot Press Operator	91	0.3
Hot Press Helper	232	4.7

OPERATION AND JOB

SAMPLE
#FIBER CONCENTRATION
FIBERS >5 μ IN LENGTH/ML

FRICTION PERSONAL SAMPLES

Baking

Oven Operator	82	0.5
Oven Operator	37	0.4
Oven Operator	42	1.4
Oven Operator	229	0.1

Grinding and Sanding

Edge Grinder Operator	41	12.3
Edge Grinder Operator	33	0.7
Edge Grinder Operator	80	1.7
Blanchard Operator	79	1.1
Blanchard Operator	81	0.2
Buffer	23	0.2
Buffer	231	6.1
Buffer	233	1.3
Edge Grinder	83	5.0
Radius Grinder Operator	235	3.1
Radius Grinder Operator	240	4.7
Radius Grinder Operator	36	0.2
Radius Grinder Operator	34	0.4
Radius Grinder Operator	24	0.2

Cutting and Drilling

Spindle Drill Operator	39	1.0
Spindle Drill Operator	40	3.1
Spindle Drill Operator	78	1.0
Spindle Drill Operator	38	0.2
Campbell Cutter Operator	236	3.1
Campbell Cutter Operator	25	0.4
Do-All Saw Operator	234	1.7
Cutter Operator	230	10.1

Bonding and Riveting

Bonder	227	2.2
Riveter	31	0.2
Bonder	226	0.1

Inspection and Packing

Brander Operator	28	6.4
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OPERATION AND JOB	SAMPLE #	FIBER CONCENTRATION FIBERS >5 μ IN LENGTH/ML
<i>FRICITION PERSONAL SAMPLES</i>		
<i>Miscellaneous</i>		
Stocker	293	2.3
Stocker	292	0.2
Stocker	32	0.0
Inspector	26	0.3
<i>PACKING PRODUCTS PERSONAL SAMPLES</i>		
<i>Braiding and Winding</i>		
Braider	69	12.8
<i>Mixing and Calendering</i>		
Mixer	73	2.1
Mixer	61	0.6
<i>Coating</i>		
Fiber Coater	76	2.1
<i>Forming</i>		
Press Operator	67	4.6
Press Operator	65	1.3
Press Operator	70	1.2
Press Operator	71	1.9
Press Operator	77	3.1
<i>Cutting and Trimming</i>		
Edge Trimmer	80	0.6