

The ASTM D1037 “Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials” test results are summarized in the following table:

Table 4
ASTM D1037 Standard Test Methods for Evaluating Properties of Wood-Base
Fiber and Particle Panel Materials Test Results

Condition	Sample Size	Sample Number	Break Force¹ (LB)
Dry-Control	3" x 9"	1	44.6
Dry-Control	3" x 9"	2	46.1
Dry-Control	3" x 9"	3	65.6
Dry-Control	3" x 9"	4	28.0
Dry-Control	3" x 9"	5	35.6
Average =			44.0
60% of Average Strength of Dry-Control =			26.4
90% of Average Strength of Dry-Control =			39.6
Xenon-Arc	3" x 9"	1	38.4
Xenon-Arc	3" x 9"	2	32.4
Xenon-Arc	3" x 9"	3	29.1
Xenon-Arc	3" x 9"	4	29.9
Xenon-Arc	3" x 9"	5	33.4
Average =			32.6
% Loss of Break Force =			25.7

Table 4 (continued)
 ASTM D1037 Standard Test Methods for Evaluating Properties of Wood-Base
 Fiber and Particle Panel Materials Test Results

Condition	Sample Size	Sample Number	Break Force¹ (LB)
Dry-Control	6" x 12"	1	59.5
Dry-Control	6" x 12"	2	61.4
Dry-Control	6" x 12"	3	87.4
Dry-Control	6" x 12"	4	37.3
Dry-Control	6" x 12"	5	47.4
Dry-Control	6" x 12"	6	40.2
Dry-Control	6" x 12"	7	57.9
Dry-Control	6" x 12"	8	43.9
Dry-Control	6" x 12"	9	38.1
Dry-Control	6" x 12"	10	62.0
Average =			53.5
60% of Average Strength of Dry-Control =			32.1
90% of Average Strength of Dry-Control =			48.2
Freeze-Thaw	6" x 12"	1	61.7
Freeze-Thaw	6" x 12"	2	66.6
Freeze-Thaw	6" x 12"	3	36.8
Freeze-Thaw	6" x 12"	4	72.2
Freeze-Thaw	6" x 12"	5	66.6
Freeze-Thaw	6" x 12"	6	36.3
Freeze-Thaw	6" x 12"	7	66.4
Freeze-Thaw	6" x 12"	8	80.9
Freeze-Thaw	6" x 12"	9	53.1
Freeze-Thaw	6" x 12"	10	67.4
Average =			60.8
% Loss of Break Force =			N/A
Wet	6" x 12"	1	27.7
Wet	6" x 12"	2	42.2
Wet	6" x 12"	3	40.1
Wet	6" x 12"	4	42.4
Wet	6" x 12"	5	38.8
Wet	6" x 12"	6	34.5
Wet	6" x 12"	7	39.5
Wet	6" x 12"	8	42.6
Wet	6" x 12"	9	77.1
Wet	6" x 12"	10	36.2
Average =			42.1
% Loss of Break Force =			21.3