

Input Data

	Data	Range
Dependent Variable	[Book1]Sheet1!F"Hardness Shore A"	[1*:81*]
Factor A	[Book1]Sheet1!B"Final density kg/dm3"	[1*:81*]
Factor B	[Book1]Sheet1!D"Thickness of the mat (mm)"	[1*:81*]

Descriptive Statistics

Final density kg/dm3

	N	Mean	SD	SEM	Variance	Missing	NonMissing
0,8	54	39,85759	4,64532	0,63215	21,57898	0	54
0,85	9	40,10667	7,34734	2,44911	53,9834	0	9
0,9	18	42,78722	1,92715	0,45423	3,7139	0	18

Thickness of the mat (mm)

	N	Mean	SD	SEM	Variance	Missing	NonMissing
30	54	41,06981	5,15731	0,70182	26,59786	0	54
20	9	36,15778	3,64422	1,21474	13,28037	0	9
25	18	41,125	1,65109	0,38917	2,72611	0	18

Overall

	N	Mean	SD	SEM	Variance	Missing	NonMissing
	81	40,5363	4,68565	0,52063	21,95531	0	81

ANOVA

Overall ANOVA

	DF	Sum of Squares	Mean Square	F Value	P Value
Final density kg/dm3	2	80,33614	40,16807	2,05999	0,13451
Thickness of the mat (mm)	2	156,75219	78,37609	4,01946	0,02191
Model	4	274,48793	68,62198	3,51923	0,01089
Error	76	1481,93716	19,49917		
Corrected Total	80	1756,42509			

At the 0.05 level, the population means of Final density kg/dm3 are not significantly different.  
At the 0.05 level, the population means of Thickness of the mat (mm) are significantly different.

Means Comparisons

Tukey Test

Final density kg/dm3

	MeanDiff	SEM	q Value	Prob	Alpha	Sig	LCL	UCL
0,85 0,8	0,24907	1,58986	0,22156	0,98656	0,05	0	-3,55147	4,04961
0,9 0,8	2,92963	1,20182	3,44736	0,04463	0,05	1	0,05669	5,80257
0,9 0,85	2,68056	1,80274	2,10285	0,30286	0,05	0	-1,62885	6,98996

Thickness of the mat (mm)

	MeanDiff	SEM	q Value	Prob	Alpha	Sig	LCL	UCL
20 30	-4,91204	1,58986	4,36935	0,0078	0,05	1	-8,71258	-1,1115
25 30	0,05519	1,20182	0,06494	0,99884	0,05	0	-2,81775	2,92812
25 20	4,96722	1,80274	3,89669	0,01984	0,05	1	0,65782	9,27663

Final density kg/dm3's Grouping Letters Table

	Mean	Groups
0,9	42,78722	A
0,85	40,10667	A B
0,8	39,85759	B

Means that do not share a letter are significantly different.

Thickness of the mat (mm)'s Grouping Letters Table

	Mean	Groups
25	41,125	A
30	41,06981	A
20	36,15778	B

Means that do not share a letter are significantly different.

Sig equals 1 indicates that the difference of the means is significant at the 0,05 level.  
Sig equals 0 indicates that the difference of the means is not significant at the 0,05 level.