

CARPET CUSHION COUNCIL

FACT SHEET

ROLL WEIGHTS FOR STANDARD LENGTH BONDED CARPET CUSHION

Bonded carpet cushion density specifications are furnished in pounds per cubic foot. To help aid in measuring density differences in bonded cushion, the chart below shows the standard weight per roll in pounds.

Product Density	Roll Size	Pounds Per Roll Product Thickness						
		1/4	5/16	3/8	13/32	7/16	15/32	1/2
4 lbs./cu.ft.	40 yards	-	-	44	48	52	56	60
5 lbs./cu.ft.	30 yards	-	-	42	45	49	52	56
6 lbs./cu.ft.	30 yards	-	42	50	54	59	63	67
7 lbs./cu.ft.	25 yards	32	40	49	53	57	61	65
8 lbs./cu.ft.	25 yards	37	46	56	60	65	70	75
10 lbs./cu.ft.	25 yards	47	58	70	-	-	-	-

Bonded carpet cushion rolls are typically six feet in width. Width, density and roll lengths are allowed manufacturing tolerance of plus or minus 5%.

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To calculate variations from the roll sizes or thickness shown above use the following formulas.

DIFFERENT ROLL SIZE:

$$\frac{\text{Weight of roll}}{\text{Roll Size}} = \text{Weight per yard from the chart}$$

Weight per yard X roll size in yards = weight of roll you have (per the chart)

Example: 1/2 inch 5 lbs. 40 yards instead of 30 yards

$$\frac{56 \text{ lbs}}{30} = 1.875 \text{ weight/yard} \times 40 = 75 \text{ lbs.}$$

DIFFERENT THICKNESS:

If you have a thickness that is a 32nd of inch different –

$$\frac{\text{Weight per roll from chart } 1/2" (16/32) = \text{weight per } 1/32"}{16}$$

Weight per 1/32" X Thickness you have = Weight per roll

Example 11/32, 6 lbs. 30 yards

$$\frac{67 \text{ lbs}}{16} = 4.187 \text{ lbs per } 32" \times 11 = 46 \text{ lbs. per roll}$$

DIFFERENCE IN WEIGHT:

If you have a difference in the density for a particular thickness –

$$\frac{\text{Density of your roll}}{\text{Density below your roll}} = \text{Increased density factor}$$

Increased density factor x roll weight of the density below your roll = your roll weight.

Example: 6 1/2 lb. 7/16" 30 yard roll

$$\frac{6 \text{ 1/2 lbs.}}{6 \text{ lbs.}} = 1.083 \text{ density factor} \times 59 \text{ lbs} = 64 \text{ lbs. per roll}$$



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