



Radial Weaves

<i>Width</i>	<i>Fabric</i>	<i>Warp x Fill Denier</i>	
54"	4.1	150 x 250	
54"	5.1	150 x 250	
54"	5.51	250 x 250	
54"	6.51	250 x 400	
54"	7.1	250 x 420	
54"	8.1	300 x 500	
54"	9.1	500 x 500	
54"	12.1	1000 x 1000	

Fabric Properties

- Radial weaves use very high warp counts to achieve warp strength. Radial weaves have substantially more yarn in the warp than in the fill.
- Balanced constructions offer best bias resistance, and stability without puckering.
- Lightweight fabrics are proportionately stronger on the warp than heavier weights. This is because they have lighter fill yarns: During weaving the warp is pulled through the loom with very high tension. This tension bends thin fill yarns, leaving warp yarns with lower crimp. But it is unable to bend heavy fills, leaving more warp crimp, resulting in higher stretch under load.