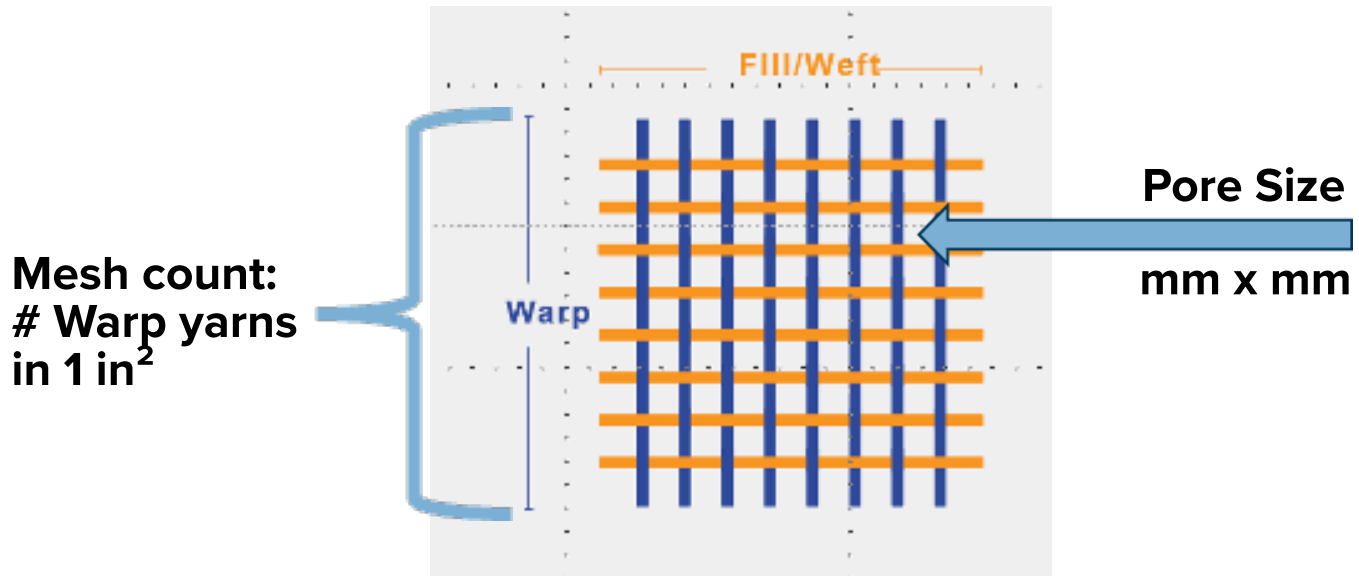


Warp? Weft? Fill? MD? CD?

Fabric strength comes from the total number of yarns within 1 in² and the weight of each yarn (denier).

Manufacturer's specs generally give the total number of yarns in Warp and Weft/Fill directions, called **Construction**.



- **MD** - Machine Direction, the Warp direction threads run the length of the fabric (blue in the photo)
- **CD** - Cross Direction, the Weft/Fill direction threads run the width of the fabric (orange in the photo)
- **Mesh Count** - Number of Warp yarns in 1 in² of fabric
- **Pore Size** - Size of openings where wind, moisture, debris or insects may get through (mm x mm)

Want to compare fabrics?

Fabric specifications should list it
or

Use a magnifying lens to count yarns

Still unsure, See ASTM D8007



- If yarns are about the same shape, then a higher thread count means:
 - Heavier fabric
 - Stronger fabric
 - More Shade
- If # of warp threads is higher than the # of weft threads or vice versa:
 - Fabric strength will be greater in the higher thread count direction
 - Fabric stretch will be greater in the opposite direction