

WOVEN FABRIC OR KNITTED FABRIC

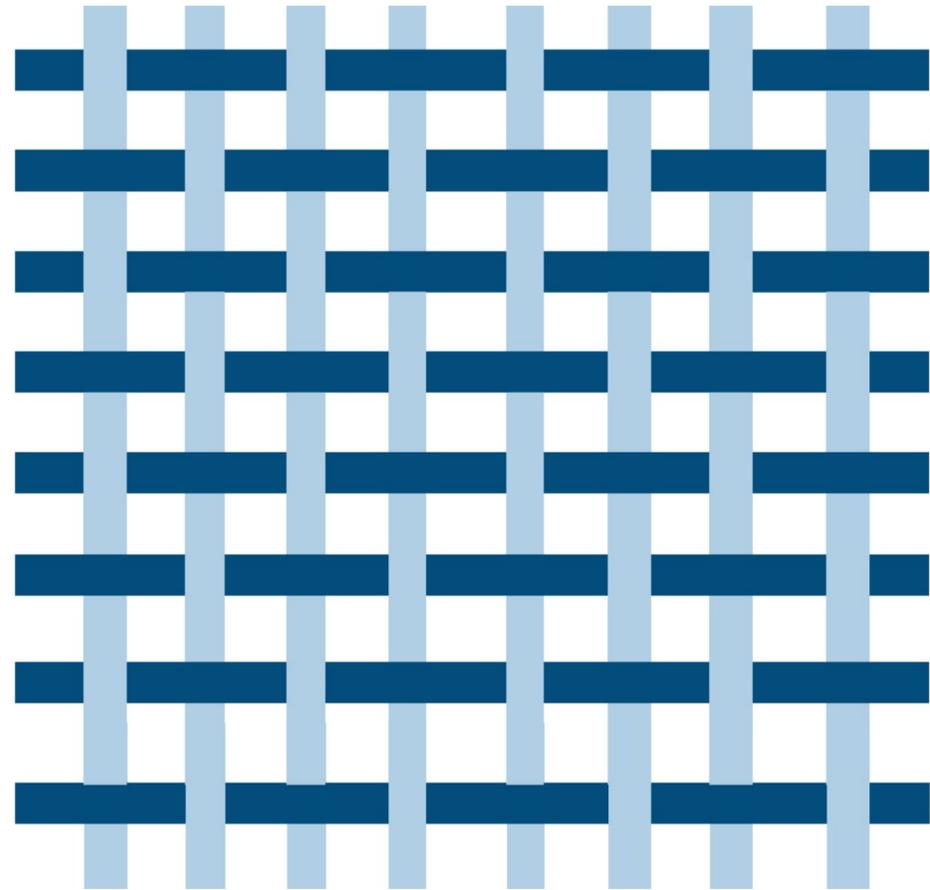
Product Differences and Uses

Which is Knitted, Which is Woven?



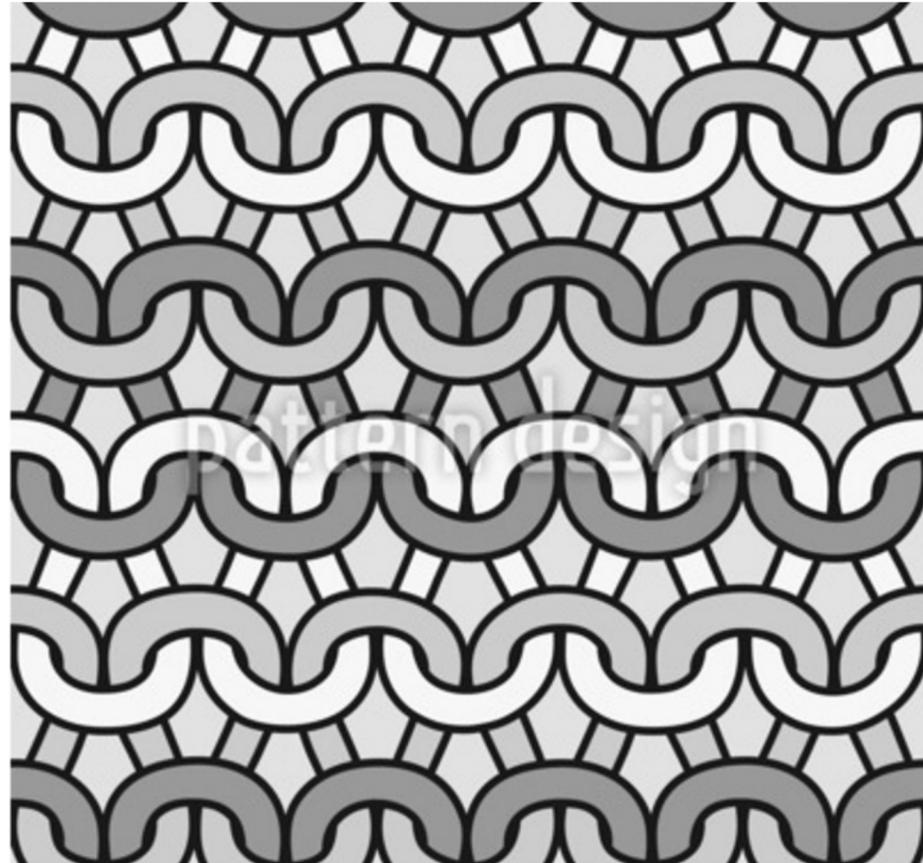
Even though both fabrics are produced in completely different ways, both techniques produce fabrics that can function in the same ways.

WOVEN



- Simple over-under pattern
- Technique can be applied in a circle (for bags) or on a long loom (shade cloth)
- Any extruded yarn can be used
- Threads can shift so best for more rigid materials (such as PP)
- Requires tape and grommets to hang

KNITTED

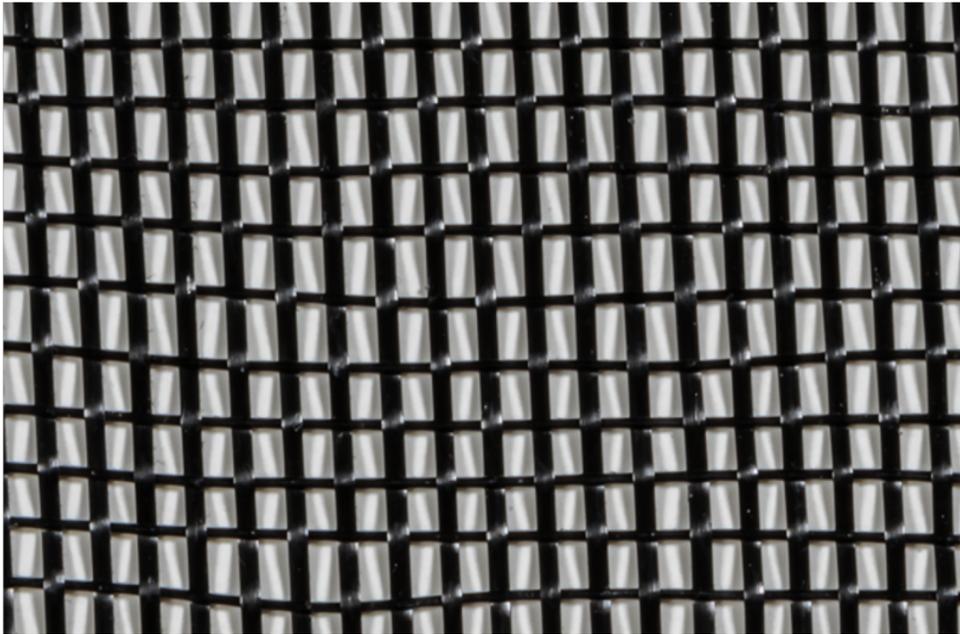


- Interlocking pattern limits the amount yarns shift during use
- Yarn must be flexible enough to achieve the locking pattern. PE or polyester work well, PP does not
- Knit is inherently more flexible than woven
- Any damage to an area is localized
- Can be hung up by s-hooks or the like

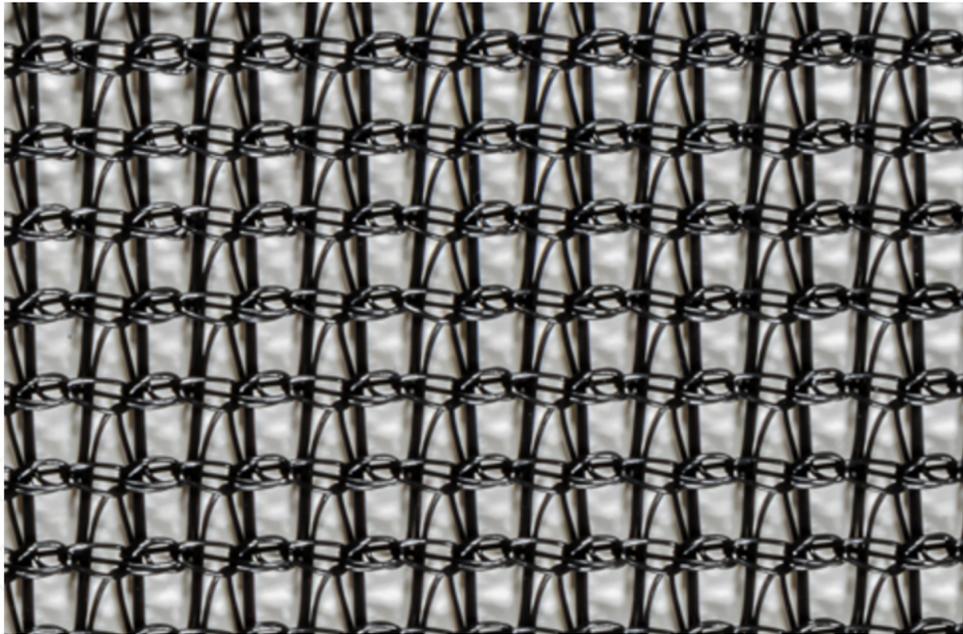
Comparison by Needs

| Situation | Woven | Knitted |
|---|---|---|
| Frequent heavy winds | Can cause strain on fabric tie downs due to inflexibility of the fabric | Elasticity allows fabric to move with the wind, & can cause fabric to stretch too much over time |
| Crew experience doing fabric installation | Simple to install with tape and grommets | Without tape around the edges can be stretched too much creating uneven shade |
| Puncture (this isn't easy to do) | Hole or tear will expand, unless repaired | The interlocked yarns can prevent the hole/ tear from expanding |
| Extreme weather (cold, hot, rain) | Select weight or shade for specific use. When fabric is made from virgin resin w/correct UV, no problem | Select weight or shade for specific use. When fabric is made from virgin resin w/correct UV, no problem |
| Need bags for produce or like products | Circular pattern provides fast reliable production | Most mills focus knitting machines on different work |
| More shade needed or more strength | Value Priced | Possible limits related to knitting machines, 80% mono knit may be highest |
| Material types | Monofilament yarn easily achieves 95% shade and based on the fabric type high strength | Not suitable for PP |
| Value option | Any extruded yarn (HDPE, PP, Nylon, PVC) | Densely woven and high quality tape yarn is great option |
| Types of functions | Mono-mono woven is generally most economic | Shade, Truck Tarp, Bird/Hail Net, Sports Netting, Construction Netting |

Compare fabrics under a microscope



55% Woven



50% Knitted Mono-Mono

Our team of experts are here to help you navigate the world of textile options and possibilities. We handle all your freight and shipping needs. From shade fabric to truck tarp to privacy/site barrier, we have a large supply of fabrics on hand, so you get the exact type and length you need in days, not weeks.

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