

Milliken®

MilliCap™ Cap Ply Strips

MilliCap cap ply strips are precision-slit, ready-to-use, and available in a range of constructions using high performance yarns to meet the requirements of different tire performance ratings. MilliCap strips deliver substantial cost savings in the tire manufacturing process and reduce rubber weight in the tire.

MilliCap strips are applied directly at the tire building machine, providing excellent green tack for tire building, along with a high level of adhesion after curing. No calendaring is required, so cost and weight are reduced. MilliCap strips meet tire manufacturer requirements for strength, modulus, shrinkage force, adhesion, and ease of use.

Benefits

- **Reduced tire weight and improved rolling resistance**
- **Applied directly from the package at the tire building machine, reducing inventory and complexity:**
 - No calendaring/slitting required
 - Adequate green-tack for tire building
 - Tailor-made adhesion formulations
- **Higher modulus-to-weight ratio than traditional calendered cap ply**
- **Improved tire uniformity thanks to the applied slitting technology (continuity in number of warp ends)**
- **Stable fabric with open geometry for rubber strike-through**
- **Significant waste reduction**
- **Longer bobbins – up to 6.000 m**
- **Longer shelf life — up to 6 months**



MilliCap™ Cap Ply Products

MilliCap™ Nylon Cap Ply

Available in multiple constructions to provide the appropriate modulus for different speed-rated tires.

Millicap™ Aramid Cap Ply

For ultra-high performance tires. Tuned to accommodate lift-up during the building process and provide full Aramid modulus in the finished tire.

Europe

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Asia

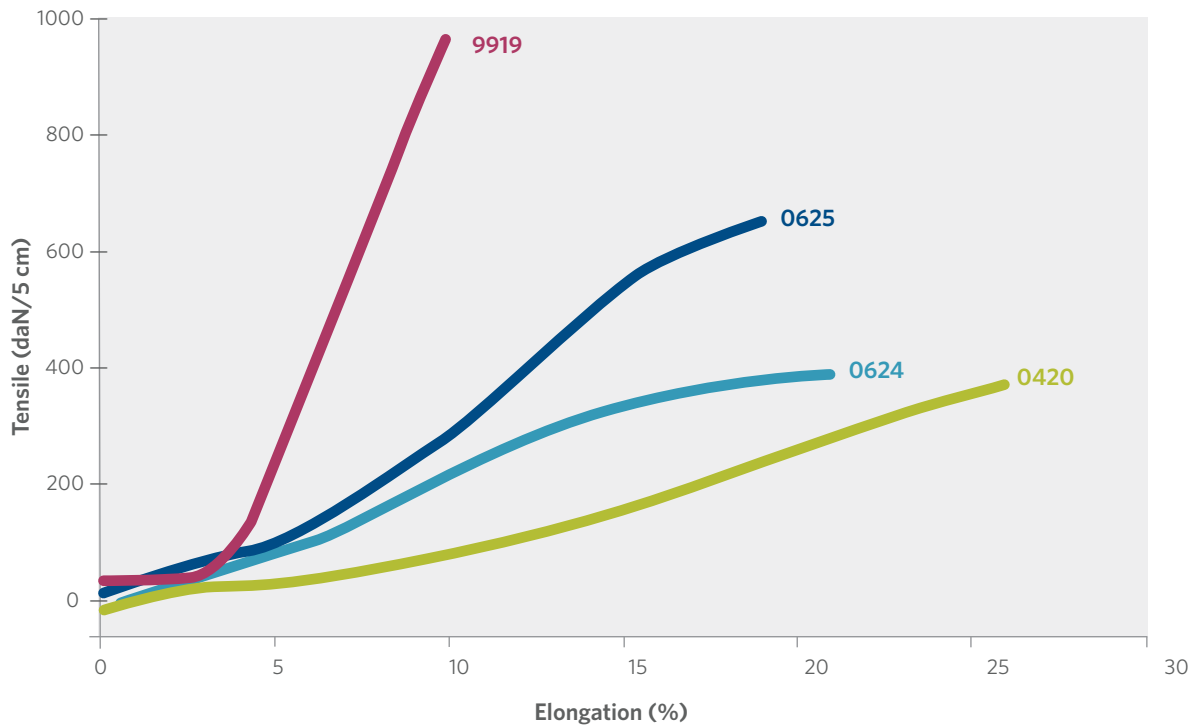
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Milliken™
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MilliCap™ Product Line Information



MilliCap™ Product Specification

	0420	0624	0625	9919
Technology	Woven	WIW-Knit	WIW-Knit	Woven
Warp	Nylon 940/2 dtex	Nylon 1880 dtex	Nylon 2800 dtex	Hybrid Aramid 2200 dtex Nylon 235 dtex
Density (epdm)	54	46	54	65
Thickness (mm)	0.55	0.7	0.8	0.8
Weight (g/m2)	170	150	225	290
Elongation @ 80 daN/5cm	7,7 %	5.7 %	3,0 %	-

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