



UNDER PRESSURE FOR THE LONG RUN

Single End Yarn for Automotive and Industrial Hoses

The challenge for today's hose manufacturers is to meet the ever-increasing demands of industry and OEMs for higher working pressures, more flexible handling, excellent dynamic performance, greater durability, and safer, "greener" products. SKS meets these diverse demands with a wide range of high-tech yarns for hose reinforcement.



Aramid:

- High breaking tenacity with low elongation and creep to ensure high working pressure
- High flexibility and dimensional stability, and good chemical and heat resistance
- Linear density range from 420–3360 dtex (including plied constructions)
- Available as twisted greige yarn or RFL-dipped yarn for excellent adhesion



Polyester (PET):

- Excellent breaking tenacity with medium elongation and low shrinkage
- High flexibility and handling
- Linear density range from 550–2200 dtex (including plied constructions)
- Available as twisted greige yarn or RFL-dipped yarn for excellent adhesion

Polyamide (PA66):

- Excellent breaking tenacity with medium to high elongation for extended flexibility
- Linear density range from 470–2100 dtex (including plied constructions)
- Available as twisted greige yarn or RFL-dipped yarn for excellent adhesion

Polyvinylalcohol (PVA):

- High breaking tenacity with low elongation and low shrinkage for high dimensional stability
- Bio-degradable
- Linear density range from 1330–2000 dtex (including plied constructions)
- Available as twisted greige yarn or RFL-dipped yarn for excellent adhesion

Rayon:

- Excellent breaking tenacity with low elongation and low shrinkage for high dimensional stability
- Bio-degradable
- Linear density range from 1260–2440 dtex (including plied constructions)
- Available as twisted greige yarn or RFL-dipped yarn for excellent adhesion



All RFL-dipped yarns have excellent properties of adhesion to commonly used rubber compounds, like EPDM, NR, SBR, and CR. Yarns can also be tailored to optimize adhesion to customer-specific rubber compounds.