Single End Yarn for Automotive and Industrial Hoses





Under pressure for the long run

EXCELLENT DYNAMIC PERFORMANCE

HIGHER WORKING PRESSURES

MORE FLEXIBLE HANDLING

GREATER DURABILITY

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.

p-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
- Application: Automotive coolant and A/C hoses as well as in High Pressure industrial hoses

m-ARAMID:
- High flexibility and dimensional stability, and excellent chemical and heat resistance
- Linear density range from 1335–7120 dtex (including plied constructions)
- Available as twisted greige yarn or tailor treated yarn for excellent adhesion and improved hose performance
- Application: Automotive Turbo Charger Hoses

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
- Application: Automotive Brake Hoses and Industrial Medium Pressure Hoses

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

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
- Application: Automotive A/C hoses and Industrial Medium Pressure Hoses

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
- Application: Automotive Power Steering Hoses

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.

Global Supplier of High Performance Yarns & Cord

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