PPS Braided Sleeving

CR-BS-3003 · Braided Sleeving Series



Description

CR-BS-3003 is braided from Polyphenylene Sulfide (PPS) monofilament. Featuring exceptional temperature resilience, ultra-low moisture absorption, and superb dimensional stability, it maintains reliable mechanical and chemical resistance in extreme heat, RoHS certified.

Product Features

- Working Temperature:
- Excellent Flame Retardancy
- Superior Chemical Resistance

Standard / Certification

ROHS · FMVSS 302

Performance Parameter

Test Items	Test Method	Test Results
Heat aging	200°C, 240H	Pass
Flexibility at low temperatures	−70°C	Pass
Flammability Test	FMVSS 302	Pass

Specifications

Part No.	Reference Width (mm)	Applicable Range (mm)	Reel Length (m/reel)
CR-BS-3003000301	3 ± 1	1~5	1000
CR-BS-3003000601	6 ± 2	3~9	500
CR-BS-3003220801	8 ± 2	5~12	300
CR-BS-3003001001	10 ± 2	7~15	300
CR-BS-3003001201	12 ± 2	8~18	300
CR-BS-3003001401	14 ± 2	10~20	300
CR-BS-3003001601	16 ± 3	12~22	300
CR-BS-3003001901	19 ± 3	14~25	300
CR-BS-3003002501	25 ± 3	18~30	200
CR-BS-3003002801	28 ± 4	20~35	200
CR-BS-3003003201	32 ± 4	25~40	200
CR-BS-3003003801	38 ± 4	30~45	100

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Notes

- All the above test parameter values are typical values. For specific product test reports, please consult your sales representative.
- It can be cut to a fixed length as required.
- Other sizes can be customized upon request.

Product Advantages

- **Ultra-wide Working Temperature Range: -70℃ ~ +200℃**
  Working temperature from -70℃ to 200℃; passes 200℃/240h heat ageing and stays flexible down to -70℃, reliable across an ultra-wide range.
- **Excellent Flame Retardancy, FMVSS 302 Pass**
  Flammability test per FMVSS 302 passes, ensuring safety in high-temperature and fire-safety-critical applications.
- **Superior Chemical Resistance**
  PPS maintains stable chemical resistance even in extreme heat, withstanding oils and a wide range of chemicals.
- **Ultra-low Moisture Absorption & Dimensional Stability**
  Ultra-low moisture absorption and superb dimensional stability keep the sleeving snug and stable under humidity and thermal cycling.
- **Tough & Abrasion Resistant**
  A tough braided construction protects hoses, harnesses and cable assemblies from friction, cuts and abrasion.
- **RoHS Certified**
  RoHS certified with environmentally friendly materials, meeting the compliance needs of regulated industries.

Application Scenarios

- **Hoses, Harnesses & Cable Assemblies (Core Application)**
  Mainly used to protect hoses, harnesses and cable assemblies from friction, cuts and abrasion.
- **Engine Bay & High-temperature Zones**
  Rated up to 200℃ with FMVSS 302 flame retardance, ideal for cable protection in engine bays and other high-heat areas.
- **Industrial High-temperature Equipment**
  PPS keeps stable mechanical and chemical performance at high temperature for harness and line protection on hot industrial equipment.
- **Humid & Chemically Aggressive Environments**
  Ultra-low moisture absorption and superior chemical resistance suit humid, oily and chemically aggressive environments.
- **RoHS-compliant Electronic & Electrical Equipment**
  RoHS certified for harness protection in electronic products for markets with strict environmental compliance.