

## Product Highlights

- Operating temperature up to +200°C (+392°F)
- Excellent abrasion resistance
- High temperature resistance
- Highly flexible and easy to install
- Lightweight and breathable textile design
- Outstanding fluids resistance

## Typical Applications

- Hose & Tubing Applications
- Cable Assemblies
- Wire Harnesses



**FlexGuard® 2135** is an expandable sleeve designed to provide mechanical protection for applications exposed to higher temperature environments. Constructed of PEEK (polyetheretherketone) monofilament guard strands and PPS (polyphenylene sulfide) support strands, this dual-monofilament blend provides an excellent balance of abrasion resistance, temperature resistance and installability.

Expanding up to three times its diameter, FlexGuard 2135 is easy to install and can accommodate a wide range of application sizes. The breathable textile construction allows fluids drainage and heat dissipation as well as prevents condensation.



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

# Performance Data – FlexGuard® 2135

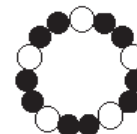
| Property                    | Test Method                        | Result               |
|-----------------------------|------------------------------------|----------------------|
| Temperature Rating          | 240 hours at +225°C (200°C rating) | Pass +200°C (+392°F) |
| Low Temperature Flexibility | SAE J2192                          | Pass -40°C (-40°F)   |
| Flammability                | SAE J369                           | Self-extinguishing   |
| Fluid Resistance            | SAE J2192                          | Pass                 |

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

## Construction and Typical Product Characteristics

**Abrasion Guard Yarn:** Polyetheretherketone (PEEK) monofilament (Shown in white)

**Resilient Support Yarn:** Polyphenylene sulfide (PPS) monofilament (Shown in black)



End view (enlarged diameter) of FlexGuard 2135 showing guard strands (larger) and support strands (smaller, black) in a typical configuration.

## Product Specifications

| Product Name       | Nominal Diameter (mm) | Recommended Application Range (mm) |       |
|--------------------|-----------------------|------------------------------------|-------|
|                    |                       | Min Ø                              | Max Ø |
| FlexGuard 2135     | 3                     | 2                                  | 6     |
| FlexGuard 2135     | 6                     | 3                                  | 10    |
| FlexGuard 2135 TW  | 6                     | 3                                  | 8     |
| FlexGuard 2135 TTW | 6                     | 3                                  | 6     |
| FlexGuard 2135 TW  | 10                    | 5                                  | 12    |
| FlexGuard 2135 TW  | 13                    | 6                                  | 13    |
| FlexGuard 2135 TTW | 13                    | 6                                  | 13    |
| FlexGuard 2135     | 16                    | 10                                 | 30    |
| FlexGuard 2135     | 19                    | 13                                 | 35    |
| FlexGuard 2135     | 32                    | 19                                 | 45    |
| FlexGuard 2135     | 51                    | 38                                 | 69    |
| FlexGuard 2135     | 64                    | 48                                 | 76    |

Color is black.

### Abrasion Levels

Standard: Good      TW: Better      TTW: Best

## Availability

Standard sizes are listed here. Additional sizes could be available upon request.

Available in spools and custom cut lengths. Recommended cut lengths are in 5mm increments. Please see regional drawings for cut length tolerances.

Standard colors listed below table. Additional colors may be available.

Please consult your local sales representative for regional packaging details and standards.



United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600  
 EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560  
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