



## Product Highlights

- Operating temperature up to +125°C (+257°F)
- Superior abrasion resistance
- Excellent cut-through resistance
- High density tubular construction
- Custom printing available

## Typical Applications

- Wire Harnesses
- Tube, Hose & Cable Assemblies
- Fluid Transport Lines
- High Voltage Applications (Orange)

**NyloGard® 2452** is a highly durable, tightly woven sleeve constructed from high denier nylon yarns. NyloGard 2452 provides superior abrasion and cut-through protection for hoses, cables and wires for extreme applications and in rugged environments.

NyloGard 2452's dense construction provides maximum coverage. These properties extend the service life of the protected component and offer a cost savings associated with decreased component replacements.



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

# Performance Data – NyloGard® 2452

| Property                       | Test Method   | Result  |
|--------------------------------|---|---|
| Temperature Rating             | 240 hours at +150°C (+125°C rating)                                   | Pass +125°C (+257°F)  |
| Low Temperature Flexibility    | SAEJ2192  | Pass -70°C (-94°F)  |
| Flammability                   | FMVSS 302   | Pass  |
| Fluid Resistance               | D47 1924  | No visible degradation or alteration after being exposed to the following test cycles: <ul style="list-style-type: none"> <li>• Immersion for 15s at +23°C, followed by a drying period of: <ul style="list-style-type: none"> <li>- 24hrs at +150°C: motor oil, automatic transmission fluid, manual transmission oil.</li> <li>- 24hrs at +23°C: zinc chloride, brake fluid.</li> </ul> </li> <li>• Immersion for 48hrs at +70°C, followed by a drying period of: <ul style="list-style-type: none"> <li>- 24hrs at +23°C: Urea of clean up Ad blue.</li> </ul> </li> <li>• Immersion for 24h: <ul style="list-style-type: none"> <li>- At +40°C followed by a drying period of 4hrs at +23°C: for gazole, unloaded petrol 98. Std fuel C+15% methanol, E85 bio ethanol.</li> <li>- At +70°C followed by a drying period of 4hrs at +23°C for windscreen washer.</li> <li>- At +118°C followed by a drying period of 4hrs at +23°C for engine coolant.</li> </ul> </li> </ul> |
| Dynamic Cut-Through Resistance | STM D3032<br>Parallel to fill direction<br>Parallel to warp direction | 1,950 N avg<br>1,500 N avg  |

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

|                   |                             |
|-------------------|-----------------------------|
| <b>Warp Yarn:</b> | Nylon 6 (PA6) multifilament |
| <b>Fill Yarn:</b> | Nylon 6 (PA6) multifilament |

## Standard Sizes

| Commercial Part Number | Nominal Diameter (mm) |
|------------------------|-----------------------|
| NyloGard 2452 8-C      | 8                     |
| NyloGard 2452 11-C     | 11                    |
| NyloGard 2452 13-C     | 13                    |
| NyloGard 2452 16-C     | 16                    |
| NyloGard 2452 19-C     | 19                    |
| NyloGard 2452 23-C     | 23                    |
| NyloGard 2452 25-C     | 25                    |
| NyloGard 2452 27-C     | 27                    |
| NyloGard 2452 32-C     | 32                    |
| NyloGard 2452 38-C     | 38                    |
| NyloGard 2452 45-C     | 45                    |
| NyloGard 2452 51-C     | 51                    |
| NyloGard 2452 57-C     | 57                    |
| NyloGard 2452 64-C     | 64                    |
| NyloGard 2452 70-C     | 70                    |
| NyloGard 2452 76-C     | 76                    |

C = Color Code: Black - 0 | Orange - 3

\* Application based variables will influence the sleeve size required. Routing geometry and application type may present installation and fit challenges that should be considered. Proper sleeve sizing should be confirmed by the end user. Please consult your local sales representative for recommendations and support.

## 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  
 Southeast Asia: (66) 35 276 400 • Korea: (82) 44 861 6368 • India: (91) 124 4784565  
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