

## PVC HI-TEMP COATED NYLON

(-54°C to +138°C) (-65°F to + 280°F)

### Description

PVC Coated Nylon is designed to function in extreme environments for use in wiring harness systems across numerous industries. Our PVC Coated Nylon is manufactured by Coats North America, trade name XTRU™ N, from high temperature resistant PVC polymer with a high tenacity nylon core for strength and used to braid a protective cover over standard harness wiring systems used in many types of vehicles.

### Specifications

Available in two standard sizes, 0.028 in and 0.040 in. Please see chart below.

|                                |                   |                    |
|--------------------------------|-------------------|--------------------|
| Diameter (single end):         | 0.028 inches      | 0.040 inches       |
| Diameter (single end):         | 0.71 mm           | 1.016 mm           |
| Tensile Strength (single end): | 15 lbs            | 22 lbs             |
| Tensile Strength (single end): | 6804 Grams        | 9979 Grams         |
| Elongation:                    | 16%               | 16 %               |
| Yield (single end):            | 1000 Yards per lb | 550 Yards per lb   |
| Yield (single end):            | 2016 Meter per kg | 1109 Meter per kg  |
| Cold Flex:                     | -65°F (-54°C)     | -65°F (-54°C)      |
| Max Service(168 hrs):          | 280°F (138°C)     | 280°F (138°C)      |
| Brittleness:                   | 5F/-15C           | 5F/-15C            |
| UV Resistance:                 | Pass UL 1581      | Pass UL 1581       |
| Package Size:                  | 0.28 Lb           | 0.30 Lb            |
| Bic No:                        | US31044           | US31054            |
| Tic Size:                      | 840H (single end) | 1260H (single end) |
| Ply:                           | 1                 | 1                  |

ISO 9000 accredited, Meets FMVSS 302, SAE J369, UL94 V-O 125 mil, RoHS compliant and withstands exposure to Diesel Emissions Fluid AU532.

### Applications

PVC Coated Nylon can be used in various wiring harness systems across multiple industries including commercial automotives, off-road vehicles, emergency vehicles, construction, mining and agricultural vehicles. PVC Coated Nylon is used in outdoor goods and sporting equipment along with Marine applications, Aerospace, Space exploration and military applications.

### Standard Color

Black. Other colors available upon request.

### Standard Packaging

Standard 5 1/4" tubes, 132 tubes per case. 0.28 lb and 0.30 lb.

# PVC COATED NYLON

| Property                         | Procedure                   | Performance |
|----------------------------------|-----------------------------|-------------|
| <b>Thermal</b>                   |                             |             |
| Brittleness temperature          | ASTM-D746                   | -15°C       |
| Cold flex tolerance              | UL 1581 (8/06), Section 580 | -54°C       |
| Maximum Service Temperature      | UL 1581                     | 168 hours   |
| Will not drip under extreme heat |                             |             |

## Chemical

Results after 24-hours at 200°F/93.3°C

|                               |                      |
|-------------------------------|----------------------|
| UV Rays:                      | Excellent resistance |
| Windshield washer fluid:      | Excellent resistance |
| Battery acid:                 | Excellent resistance |
| Hydraulic fluid:              | Very good resistance |
| Ethylene glycol:              | Very good resistance |
| Diesel fuel:                  | Good resistance      |
| Abrasion resistance:          | Good resistance      |
| Chemical resistance:          | Very good resistance |
| Heat resistance:              | Very good resistance |
| Gasoline:                     | Good resistance      |
| Motor oil:                    | Good resistance      |
| Grease:                       | Good resistance      |
| Engine cleaner:               | Good resistance      |
| Brake fluid:                  | Good resistance      |
| Automatic transmission fluid: | Good resistance      |

### Note:

Information contained here is precise and reliable provided by manufacturer Coats North America. All tests are carried out in accordance with Coats standard testing methods in ISO certified laboratories.



**Authorized Distributor for Coats North America**

512 W Court Street, Rome, NY | [www.varflex.com](http://www.varflex.com) | e-mail: [sales@varflex.com](mailto:sales@varflex.com)  
Phone:(315) 336-4400 | Fax:(315) 336-0005 | Toll Free 1-800-648-4014