



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
Thermal		
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

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