



# SPS Polyolefin- Coated Steel Chain Link Fence Fabric

Class 2b - Fused and Adhered  
ASTM F668, Federal Specification RR-F-191 Type IV, AASHTO M-181 Type IV

## PRODUCT NAME

*SPS Fused and Bonded Polyolefin Coated Steel Chain Link Fence Fabric*

## MANUFACTURER

**Stephens Pipe and Steel, LLC**

### Manufacturing Locations:

Stephens Pipe and Steel, LLC  
1413 Steve Warriner Drive  
Russell Springs, Kentucky 42642

4301 46<sup>th</sup> Street  
Bladensburg, Maryland 20710

2891 State Hwy 160  
Warrior, Alabama 35180

## PRODUCT DESCRIPTION

### Basic Use:

Fused and adhered fabric is a bonded Polyolefin, high strength galvanized steel, chain link fence fabric for industrial, commercial and institutional application. Fused and adhered fabric is used in numerous federal, state, civil, and military specifications.

### Composition and Materials:

The galvanized steel core wire for producing fused and adhered Polyolefin coated steel chain link fence fabric is produced by cold-drawing good commercial grade steel rod into wire of the appropriate diameter. The steel rod from which the wire is drawn is produced by the open hearth, electric furnace or basic oxygen process. The galvanized coating is produced by passing the cleaned wire through a bath of molten zinc which conforms to ASTM B6.

The fused and adhered Polyolefin coating is produced by first applying a thermo-set bonding agent to the galvanized core wire to which the Polyolefin is bonded. A minimum coating of 0.006 in (0.15mm) Polyolefin up to 0.010 in. (0.25 mm) is then fused and bonded to the wire.

### Standards:

ASTM B 6 Slab Zinc  
ASTM F567 Installation of Chain Link  
ASTM F668 Poly(Vinyl Chloride) (PVC) and Other Organic Polymer-Coated Steel Chain Link Fence Fabric, Class 2b  
Federal Specification RR-F-191 K/1 D Fencing, (Chain-Link Fence Fabric), Type IV  
American Association of State Highway Transportation Officials (AASHTO) M-181 Chain Link Fence, Type IV, Class A

## TECHNICAL DATA

### General:

The manufacturer can supply samples and certification that all materials furnished fully comply with the required specifications.

### Chain Link Fence Fabric:

The base metal of the chain link fence fabric is composed of commercial quality, medium-carbon galvanized (zinc coated) steel wire with a minimum 80,000lb tensile strength and 1290 lb break load. The Polyolefin coating is thermally bonded to a thermoset bonding primer over a galvanized steel wire. This process ensures a bonded coating free of voids, as well as a smooth surface appearance. The wire is coated before weaving and is free and flexible at all joints. Unless otherwise specified, fabric woven in 2 in. (50 mm) mesh, under 72" (1,830 mm) in height, is knuckled at both selvages; fabric 72" (1,830mm) high and over is knuckled at one selvege and twisted at the other. All fabrics woven into meshes under 2 in. (50 mm) have both selvages knuckled.

### Wire Coating:

Only plasticized polyolefin with a low temperature (-20 °C; -4°F) plasticizer and no extenders or extraneous matter other than the necessary stabilizers and pigments, is used. The Polyolefin coating resists attack from dilute solutions of most common mineral acids, seawater, and dilute solutions of most salts and alkali.

### ASTM Color System:

Standard colors conform to ASTM F934 and include:

Ensor  
Green      Brown      Black

Other colors are available by special order.

Coating Adhesion: The coated wire shall pass the test for adhesion contained in ASTM F668 for Class 2b chain link fabric.

## INSTALLATION

Install fence in accordance with ASTM Practice 567. Handle all Polyolefin coated material with care. If coating is damaged during installation, contractor must replace or repair the material at their expense.

## AVAILABILITY

Polyolefin-coated steel chain link fence fabric is available throughout the United States and worldwide.

## WARRANTY

Fused and bonded chain link fence fabric is warranted for 15 years against failure due to rust or corrosion.

## MAINTENANCE

Periodic inspection is recommended but no routine maintenance is required.

## TECHNICAL SERVICES

Technical services are available. Call your sales representative for assistance.



800.451.2612

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