

Ceel-Co® 300 Series PVC

Fitting Covers and Jacketing for Industrial Applications

Description

Ceel-Co 300 Series PVC heavy-duty fitting covers and Ceel-Co PVC jacketing are specifically designed for industrial and commercial applications.

Because of their added thickness and improved thickness distribution, they exhibit excellent impact resistance, increased durability, superior UV resistance and reduced chance of “burn through” when solvent welding.

Ceel-Co 300 Series PVC fitting covers are produced from a white, glossy, high impact, UV-resistant polyvinyl chloride compound. Available in many shapes and sizes, they fit quickly and snugly over a variety of pipe fittings.

A variety of fitting covers and jacketing are available, in color, on a special order basis. They are recommended for indoor use only and are not UV resistant or 25/50 rated. Call for availability.

Made from the same rugged, pliable PVC material, Ceel-Co PVC jacketing is designed to match the Ceel-Co 300 Series fitting covers. For use over insulated pipe and bare metal, Ceel-Co PVC jacketing is easy to install and maintain, provides an inherent vapor retarder, and will withstand water and most chemical and low-solvency washdowns.

Available Shapes and Sizes

Fitting Covers. Ceel-Co 300 Series heavy gauge PVC fitting covers are available in many shapes and sizes. Its two piece or two-piece welded construction provides ease of fabrication in the field not available in a traditional one-piece fitting cover. This construction is engineered to accommodate various types of fabricated insulation fittings and an improved “matched” fit in the fitting throat area when solvent welding.

Ceel-Co 300 Series heavy gauge is available in shapes for 90° and 45° (1.6 and 0.8 rad.) short and long radius elbows, tees, and valves plus a wide variety of other fittings, flanges, reducers, end caps, soil pipe hubs, traps, and mechanical line fittings. IPS sizes are available from 3/8" through 20" (10 mm through 508 mm); CT sizes from 1/2" through 6 1/4" (13 mm through 156 mm).

Jacketing. White Ceel-Co PVC jacketing is available in standard thicknesses of 10, 15, 20, and 30 mil (0.3, 0.4, 0.5, and 0.8 mm) and in standard widths. Color Ceel-Co PVC jacketing is available in thicknesses of 20 and 30 mil (0.5 and 0.8 mm). Non-standard sizes are available on special request.

Cut & Curled™ Jacketing. Ceel-Co 300 Series heavy gauge fitting covers may be used with Ceel-Co PVC Cut & Curled jacketing for perfect fit and color match. The jacketing is available in both white and colors (indoor use only) for 300 Series fitting applications.

The white 30 mil (0.8 mm) thickness is recommended for outdoor applications.

Custom Shapes and Sizes

For fitting covers and Ceel-Co jacketing sizes larger than 20" (508 mm) and custom shapes and sizes, call for availability.



Operating Temperature Limits:

PVC: Up to 150°F (66°C)

Flame Spread: 25 or less (up to 30 mil [0.8 mm])

Smoke Developed: 50 or less (up to 30 mil [0.8 mm])

Grade: Weatherable

Color: White and Colors (indoor use only)

Finish: Gloss

Uses

For insulating and protecting indoor and outdoor industrial and commercial piping systems, Ceel-Co 300 Series PVC is the ideal replacement for aluminum, stainless steel, and most other ordinary insulation coverings. The fitting covers, combined with Ceel-Co PVC jacketing and Ceel-Tite® welding adhesive form a completely sealed system that meets the requirements of USDA and FDA for use in the food processing, beverage and pharmaceutical industries.

Advantages

Exceptional Durability. The tough, durable Ceel-Co 300 Series PVC resists damage from impact and will withstand humidity, salt water, adverse weather conditions, and most industrial fumes. In addition, the jacketing will not support combustion.

Weatherability. When used outdoors, the ultraviolet-resistant 300 Series white fitting covers and jacketing need not be painted or coated.

Corrosion Resistance. Unlike aluminum or most stainless steel jacketing materials, Ceel-Co 300 Series PVC is immune to galvanic or electrolytic corrosion.

Ease of Maintenance. The jacketing and fitting covers are easily washed down with soap and water and most commercial cleaners. The ability to be easily cleaned, combined with the non-toxic, odorless and tasteless properties of the material and its attractive appearance, make it especially suitable for food, beverage and pharmaceutical applications.

Simple, Fast Installation. The Ceel-Co 300 Series is easy to apply with the special Ceel-Tite welding adhesive which is similar in composition to the Ceel-Co PVC jacketing material. The result is a monolithic system. Suitable bands may be used when required.

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Physical Properties of Ceel-Co 300 Series PVC

Property	Value	ASTM Test Method
Specific Gravity	1.48	D 792
Tensile Strength at Yield, psi (kPa)	6,000 (41,370)	D 638
Elongation at Yield (MD), %	3.0	D 638
Tensile Modulus,psi (kPa)	470,000 (3,240,650)	D 638
Flexural Strength,psi (kPa)	11,600 (79,982)	D 790 (min. .125" [3 mm] thick)
Flexural Modulus, psi (kPa)	460,000 (3,171,700)	D 790
Flame Spread	25 or less (up to 30 mil [0.8 mm])	E 84
Smoke Developed	50 or less (up to 30 mil [0.8 mm])	E 84
Electrical Conductance	Non-Conductor	D 257
Gardner—SPI Impact, in. lb./mil by Ductile Failure	10 mil (0.3 mm) 1.3 15 mil (0.4 mm) 1.4 20 mil (0.5 mm) 1.5 30 mil (0.8 mm) 1.6	D 3679 (4 lb. [1.8 kg] weight; 8 lb. [3.6 kg] for 30 mil [0.8 mm])

Note: Chemical resistance data available on request.

Specification Compliance

USDA, Agriculture Canada	L-P-535E*, Composition A, Type II, Grade GU
New York City MEA #7-87	L-P-1035A*, Composition A, Type II, Grade GU
ICBO	Canada: CAN/ULC S102-M88
SBCCI	CGSB 51-GP-53M
BOCA	
ASTM D 1784, Class 16354-C	

*Impact strength determined by Gardner—SPI test method rather than Izod, since Gardner is more appropriate for PVC sheeting materials.

CEEL-CO®

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The physical and chemical properties of Ceel-Co® 300 Series PVC Fitting Covers and Jacketing represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Ceel-Co plant to assure current information.