

Waterproof Spiral Wound Tubing for Petroleum and Petrochemical Use



Article Overview

Spiral wound tubing for petroleum and petrochemical applications offers high chemical resistance, waterproofing, and mechanical durability, suitable for pipelines, heat exchangers, and protective insulation.

Materials and Construction

Spiral wound tubing is manufactured by helically winding adhesive-coated or band-shaped layers around a mandrel, creating a robust tubular structure. Common materials include high-density polyethylene (PE-HD, PE-80, PE-100), polypropylene (PP-H, PP-B, PP-R), and composite films like Mylar®/Nomex® combined with epoxy resins. These materials provide excellent chemical resistance, waterproofing, and mechanical strength, making them suitable for handling petroleum, petrochemical fluids, and corrosive chemicals.

Thermal and Mechanical Properties

Depending on the material and design, spiral wound tubing can withstand a wide temperature range, from -50°C to +300°C, and offers high dielectric strength (3 kV/mm to 300 kV/mm) for electrically insulating applications. Tubing can be heat-shrinkable or non-shrinkable, with multilayer constructions enhancing mechanical resistance, waterproofing, and adhesion even under high-pressure or high-speed conditions. Wall thickness and diameter can be customized to meet specific operational requirements, ensuring durability in pipelines, reactors, or storage systems.

Article Content

PP High Abrasion-resistant Wide Pitch Spiral Binding

Spiral wrap, nomø40mm, ø40-45mm, -30 °C to +100 °C, black, 1pc. Art.-No. 162-20400 | SPF40-PP-BK

Spiral Wound Lining | Pipe Rehabilitation | SEKISUI SPR

Spiral Wound Liners are a trenchless pipe lining method to restore pipelines. The process is 100%

Spiral-Wound Tubing for All Applications

We can create spiral-wound tubes in both paper and plastic, depending on the needs of your application: Paper tubing

Petrochemical

Continental Steel proudly offers the chemical- and corrosion-resistant pipe, tubing and construction materials that are vital to the

Spiral Tension Wound Finned Tubes in the

Spiral tension wound finned tubes are widely used in the petrochemical industry due to their excellent heat

Lining with spirally wound pipes for gravity pipes | RTi

Lining with spirally wound pipes is suited particularly for the rehabilitation of all sorts of circular pipes and

FITCOTUBE® Polyester Spiral-Wound | GREMCO GmbH

Our MYLAR®/NOMEX® epoxy hoses not only provide the optimum means to waterproof and electrically

Spiral pipes made of PE and PP

Spiral pipe - PE and PP for ventilation lines, storage tanks, pressure piping and much more!

HellermannTyton Product Catalogue 2016/2017

SPF Wherever high abrasion resistance and stable cable inserting are important, the use of SPF spiral binding is recommended.

Spiral Protection Tubes

Spiral-wound insulating tubes engineered for easy insertion, secure retention, compact profiles, tight

Custom SPIRAL WOUND GASKETS | URGENT MANUFACTURING

Standard and custom-made spiral wound gaskets. Guaranteed traceability. Stock availability and urgent manufacturing.

Spiral-Wound Tubing in both Paper and Plastic

Paper and plastic tubes that have excellent insulating properties of dielectric strength, heat resistance, oil or grease

PTFE Spiral WrapCut Tubing

PTFE spiral wound cut tubing, highly resistant to chemicals, flexible and easy to bend, resistant to high and low temperatures, used

Spiral Wound Tubing Market Share | Industry Report 2035

Spiral Wound Tubing Market (2026 - 2035) Research Report: Size, Share, Industry Trends & Forecast By End User (Refineries,

Spiral Tubing | Shrink and Non-Shrink | Electrolock

Electrolock can provide large continuous length tubing in rolls that are either Layflat or spiral wound constructions. These can be

Spiral wound gaskets

Looking for spiral wound gaskets that are durable, reliable, and tailored to your industry? At FraktalSeals, we manufacture high

Applications of Spiral Welded Pipes in Different Industries

Conclusion: In conclusion, spiral welded pipes are one of the most versatile and reliable in different industries. They are

Spiral Protection Tubes

For over twenty years, Politubes has been manufacturing a special multilayer spiral tube made of heat

Spiral Tubes – Royaltech

Spiral tubes, also known as spiral hoses or spiral-wound tubes, are flexible tubing components used in

PP High Abrasion-resistant Wide Pitch Spiral Binding SPF35 (162

Cable wraps, spiral wraps From standard spiral hoses for office use to flame retardant spiral cable wraps to heat and chemical

Spiral Welded Pipes: Applications, Manufacturing, Advantages, and ...

Applications of Spiral Welded Pipes Spiral Welded Pipes are commonly used to convey liquids (oil, water, etc.), gases (air), steam,

Spiral wound tubes

We produce helically wound tubes as semi-finished product for the production of storage tanks or chemical apparatus. Different wall

Spiral wound tubes and cores | Finishing and Converting | COREX

We produce the appropriate tube or core exactly for your needs and specifications, with diameters up to 635 mm and wall

Specialty Tubing for Petroleum and Natural Gas Exploration and

Customized Tubing Solutions for the Petroleum and Natural Gas Industry A wealth of experience draka Specialty Tubing (dST)

FITCOTUBE® Polyester Spiral-Wound | GREMCO GmbH

Heat-shrink polyester spiral-wound tubing Our MYLAR®/NOMEX® epoxy hoses not only provide the

The Source of Spiral-Wound Tubing for All Kinds of Applications

When it comes to spiral-wound tubing, few names have as much clout across multiple industries as PPG. It stands to

SPIRAL WOUND TUBE

The industry involves Petrochemical, Coal chemical, Natural gas, Fine chemicals, Pharmaceuticals, etc., with rich experience in heat

Spiral Wound Tubes Suppliers

AS9100 and ISO 9001:2015 certified manufacturer specializing in tube fabrications, tube bending and weldments for use

SPIRAL WOUND PVC PIPES FROM NORDITUBE

NordiTube is not only the technology provider for CIPP products, but also for special spiral wound pipe

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://sdesign.net.pl>

Email: sales@sdesign.net.pl

Phone: +48 694 237 815

Address: ul. Marszałkowska 10, 00-001 Warsaw, Poland

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