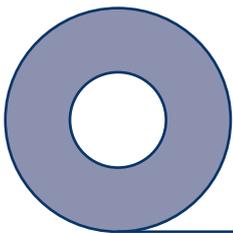# NITTO DENKO

Product:	**57GO/c Sealing Tape**
Productgroup:	**Anti-Corrosion Materials**

General description

Nitto corrosion protective sheet 57GO/c is designed for mechanical and corrosion protection of various kinds of buried objects with irregular shapes. This product replaces the 3 steps of the conventional method: the filling materials, the petrolatum tape and the protective tape.

Construction

- Black EPT-butyl rubber backing
- Brown petrolatum-butyl rubberself-bonding layer
- White PE liner

Features

- perfect watertightness
- very strong adhesion level, even for highly irregular shapes
- prevents rust
- easy to pre-punch

Characteristics

Nitto 57GO/c is used for its flexible backing sheet along with a thick self-bonding layer that ensures perfect watertightness, even for highly irregular shapes. It has a very strong adhesion to steel, plastic and other surfaces.

The modified petrolatum which is formulated in the self-bonding layer prevents rust.
The plastic liner makes it easy to pre-punch the shape of sheet in the workshop.Hence making the application in the field much faster and simpler.

Application

Nitto 57GO/c is widely used as anti-corrosion protection for various kinds of piping components. It is used as a component of the Nitto Tele-Cold-Seal joint-closure system for telecommunication cables.

Properties

	57GO/c A	57GO/c B	Test method
Backing thickness	1 mm	1 mm	ASTM D 1000
Adhesive thickness	1 mm	3 mm	ASTM D 1000
Total thickness	2 mm	4 mm	ASTM D 1000
Adhesion to stainless steel	1500 g/25mm	1500 g/25mm	ASTM D 1000
Adhesion to backing	1500 g/25mm	1500 g/25mm	ASTM D 1000
Adhesion to polyethylene	1000 g/25mm	1000 g/25mm	ASTM D 1000
Elongation	600%	600%	ASTM D 1000
Tensile strength	3 kg/25 mm	3 kg/25 mm	ASTM D 1000
Tear strength	0.9 kg	0.9 kg	ASTM D 1004
Volume resistivity	1x10exp15 ohm.cm	1x10exp15 ohm.cm	ASTM D 257
Dielectric strength	33 kV	42.3 kV	ASTM D 149
Water absorption	0.10%	0.10%	ASTM D 570
Impact strength	33 kg-cm	41 kg-cm	ASTM G 14

Availability

57 GO/c A			57 GO/c B		
Rollsize	Rolls / carton	Rolls / pallet	Rollsize	Rolls / carton	Rolls / pallet
50mm x 10m	8	192	150mm x 3m	6	144
150mm x 10m	unit box	80	450mm x 3m	1	16
150mm x 10m	4	96	450mm x 10m	2	
225mm x 10m	2	60			
300mm x 10m	2	32			
450mm x 10m	2	32			

Core diameter A & B type: 76 mm

Application guidelines

- The product must not be exposed to ultraviolet light for prolonged periods before use and is not recommended for use in areas susceptible to organic solvent exposure.
- It's recommended to cover the applied 57GO/c by Nitto 51 vinyl tape for mechanical protection.
- Maximum service temperature: 80 °C

> Our technical center is always at your disposal for special application requests.
> Please contact us to make an appointment.

Precautions
All products manufactured by NITTO EUROPE NV are guaranteed to be free from defect at the time of shipping when tested according to NITTO EUROPE NV product specifications. Properties of the products are susceptible to change due to various influences such as composition and condition of the extrusion, impurities in or on the extrusion, temperature and humidity of storage and the surrounding environment during application etc. When the NITTO product is used in combination with other material, the user shall assure by his own tests the compatibility of the NITTO product in the resulting combination and whether the combination results in the expected performance.

Packaging and storage
The product should be protected against direct sunlight and extremes in temperature and humidity and stored upright in its original packaging. Once removed from its packaging, it should be protected against dust and other impurities.

Test methods and results
The properties of these products are determined in accordance with NITTO test methods. Detailed description of these methods are available on request. The above figures are average values, established to our best knowledge, but not to be used for specification purpose.

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Nitto Europe NV has obtained following certificates:

NITTO DENKO