RILSAN® Nylon 11 Polymeric Coating

tyco
Flow Control

Tyco Water

RILSAN® Nylon 11 polymeric coatings provide corrosion protection for fittings, valves and hydrants. Coating system and application complies with AS/NZS 4158.

Features

- Excellent corrosion resistance to
  - water
  - wastewater
  - sea water and mist
- Chemical resistance to
  - hydrocarbons
  - solvents
  - acids
  - salts
  - alkalis and many others
- Outstanding
  - abrasion resistance
  - impact resistance
  - flexibility
  - thermal resistance
  - weathering and chalking resistance
- Low
  - water absorption
  - friction coefficient
- Wide range of working temperatures
- Long service life
- Produced from renewable raw materials of plant origin, environmentally friendly.

Typical Type Test Results

Test	AS/NZS 4158 Requirement	RILSAN® Nylon 11 Result
Hot Water Immersion	<= 1	<1
Water Absorption	<= 4.0%	2.2%
Flexibility	no crack @ 1.0%	no crack
Impact Resistance	>= 2.0 J	2.6 J
Penetration Resistance	<= 10%	1.4%
Abrasion Resistance	<= 40mg	16.6mg
Cathodic Disbondment	<= 15mm	4.2mm
Thermal Stability	<= 35% change to melt flow rate after 100 days @100°C	viscosity change <28%
Ultraviolet Radiation	<= 35% change to melt flow rate after 100 days @100°C	viscosity change <20%
Water Contact	No effect when used to convey drinking water	AS 4020 certified

Production Batch Release Requirements

Test	Requirement
Thickness	>250µm - <600µm
Continuity	no holidays
Adhesion	<= 1

General Application

RILSAN® Nylon 11 coating provides excellent corrosion resistance in both potable and wastewater applications.

Technical Data

Coating Thickness:
250µm(minimum)
Application Method:
Fluidised Bed
Maximum Temperature : 50°C
Colour: Blue
Standards:
AS/NZS 4158 - Thermal-bonded polymeric coatings on valves and fittings for water industry purposes
Approvals:
AS 4020 - suitable for contact with drinking water.

A.B.N. 75 087 415 745

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