



Lloyd's
Register

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Lanex a.s
PLACE OF PRODUCTION	Hlucinska 96/1 747 23 Bolatice Czech Republic
DESCRIPTION	Marine and offshore mooring ropes of synthetic materials
TYPE	POLYPROPYLENE, Type B – polypropylene; POLYS, Type B – polypropylene/polyethylene; POLYAMIDE, Type B
APPLICATION	Marine and offshore mooring ropes
STANDARD	BS EN ISO 1968:2004 – Fibre ropes and cordage. Vocabulary BS EN ISO 10572:2009 – Mixed polyolefin fibre ropes BS EN ISO 9554:2010 – Fibre ropes. General specification BS EN ISO 1140:2012 – Fibre ropes. Polyamide. 3, 4, 8, and 12 strand ropes BS EN ISO 1346:2012 – Fibre ropes-polypropylene split film, mono filament and multifilament (PP2) and polypropylene high tenacity multi filament (PP3) 3, 4 and 8 strand ropes BS EN ISO 2307:2010 – Fibre Ropes – Determination of certain physical and mechanical properties

Certificate No.	17/00101
Issue Date	26 th October 2017
Expiry Date	26 th October 2022
Sheet	1 of 2

TYPE APPROVAL SYSTEM  Lloyd's Register

Reviewed for compliance with Lloyd's Register Type Approval System, see the certificate number as shown below:

Certificate Number: 17/00101

Date: 26th October 2017 Initials: [Initials]

Energy
Southampton Office
Non-metallic materials
Lloyd's Register Group Limited



Mayur Jogia
Marine Technical & Engineering Services, Southampton
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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RATINGS

POLYPROPYLENE:

Diameter (mm): 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 36, 40

Minimum breaking strength (kN): 9.7 to 190.0

Make up: Twisted 4 strand

POLYS:

Diameter (mm): 14, 16, 18, 20, 24, 30, 32, 36, 40

Minimum breaking strength (kN): 35.0 to 226.3

Make up: Twisted 4 strand

POLYAMIDE:

Diameter (mm): 20, 22, 24, 26, 30

Minimum breaking strength (kN): 78.4 to 167.2

Make up: Twisted 4 strand

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	17/00101
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Sheet	2 of 2

TYPE APPROVAL SYSTEM

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LR022.2.2016.07

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