





# **TECHNOLINE**

### LANEX a.s.

- Quality Czech manufacturer
- Tradition since 1949
- Wide range
- Our own development department
- Certified testing laboratory
- ISO certification
- Pro-customer approach
- High added value
- Continuous development and support

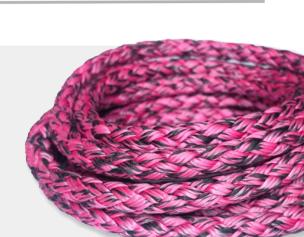
Lanex is a long-term experienced manufacturer of paper carier ropes. In cooperation with the world's leading paper mils, we develope unique paper carier ropes, which we suppy worldwide. These products are produced under control of the certification body.

All products we test in our own laboratories. We technically support our customers. Based on our complete paper machine audit, we recommend you the perfect rope to use to pro-long this life time. We train you in splicing technique.

#### **TECHNOLINE**

The combination of our aramid fibre together with the traditionally used polyamide fibre has created a rope with exceptional durability in all sections of the paper machine.

Tests and operational data to date show that the lifetime of Technoline ropes is two to three times longer than the lifetime of standard carrier ropes, regardless of the sections of the paper machine.



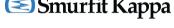
# Exceptional properties of the aramid fibre used:

- > excellent abrasion resistance
- > very good fatigue resistance
- > chemical inertness excellent resistence to organic chemicals
- > temperature resistance, excellent thermal stability
- > high modulus
- > high cut resistence
- > high dimensional stability

Our regular customers have already tried rope Technoline. See what they said:



" We have TECHNOLINE DUO 11 mm for 6 weeks in coating section in full running speed of the machine. It looks good with minimum triple life time compared to the competitor's ropes."



Smurfit Kappa "We had TECHNOLINE DUO 11 mm in drying section for 2 months."

CUSTOMER, WHO USED OURTECHNOLINE ROPE, SAVED MORETHAN 200,000 EUR.

## **CASE STUDY:** davelvear

LOCATION IN PM/KM: coating

uay 5/ y cai	330	
hours/day	23	
speed PM	30-540 m/min	
gsm	280-550	

350

	Lanex	competitor
rope type	Technoline DUO 8.5 mm	Competitive rope 8.5 mm
lifetime in [h]	506	322
lifetime in [day]	22	14
tension [bar]	1.5	3

# **COSTS FOR MATERIALS**

rope [€/m]	1.77	0.68
rope length [m]	130	130
quantity of ropes [spools]	3	3
costs per rope change [€]	690.30	265.20
necessary changes/year [stops]	16	25
used rope/year [m]	6,204.5	9,750
rope costs/year [€]	10,982.05	6,630.00
time for rope change [h]	1.5	1.5
hourly wage [€]	60	60
manpower/year [€]	1,431.82	2,250
time for other work [h]	13.6	
COSTS MATERIAL AND WORK/YE/	11,672.35	6,895.20
production [t/h]*	30	30
sales price [€/t]**	500	500
PRODUCTION LOSS/YEAR [€]	357,954.55	562,500.00
TOTAL COSTS/YEAR [€]	369,626.89	569,395.20
DIFFERENCE LANEX/COMPETITOR	<sup>-</sup> 199,768.31 €	

#### \*\* prices for newsprint - this product - coated board is more expensive \* minimum



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