



Lateral Repairs Nanotech

Technical Data Sheet

Material Profile

LR Nanotech	Multi (knitted) fleece with one sided TPU
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Supply Data

Pipe Diameter	70,80,100,125,150,200,225,250. Other dimensions on request
Liner undersize	13 %
	Seam construction with PES-Yarn and sealed with a TPU -Tape
Liner Lengths	50m; 100m

General Data

Type of Fibres	Polyester
Coating	One side TPU
Colour Basic Weave	White
Colour Coating	Transparent



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Physical Properties

Weight per square meter	DIN EN 12127	g/m ² oz/ft ²	550* 19.40*
Thickness	(simulating 0.5 bar / 7.25 psi)	mm inch	4.0* 0.15*
Weight of Coating		g/m ² oz/ft ²	150* 5.29*
Water tightness (20 °C / 68 °F)	ISO 811	mbar psi	≤ 550 ≤ 7.97 psi

With the variety of installation and service conditions as well as of application and process engineering, the data of this sheet can only be taken as a non-binding guide.

*=Modal value (typical value)

Additional Information – please see “methods of application”



LATERAL REPAIRS
MANUFACTURING PERFECTION

Lateral Repairs • Paberžiu g. 5 • LT-72328 Tauragė • Lithuania

End wall thickness Resin amount calculated for Roller gap Liner size (mm / inch) Pipe diameter (mm / inch)		Lateral Repairs Nanotech in mm / inch - installed in pipe diameter in mm / inch ≥ 4.0 mm in the basic DN and expanded ≥ 3.0 mm															
		4,0 mm															
		10 mm															
		70 / 2,8		100 / 4			125 / 4		150 / 6		200 / 8			225 / 9		250 / 10	
		70 / 2,8	100 / 4	100 / 4	125 / 5	150 / 6	125 / 4	150 / 6	150 / 6	200 / 8	200 / 8	225 / 9	250 / 10	225 / 9	250 / 10	250 / 10	300 / 12
Length elongation per m / foot	cm per m	1	-2	1	-1	-2	1	-2	1	-2	1	-1	-2	1	-2	1	-2
	inch per foot	0,24	-0,24	0,24	-0,12	-0,24	0,24	-0,12	0,24	-0,24	0,24	-0,12	-0,24	0,24	-0,12	0,24	-0,24
Tube length to be cut per m / feet rehab length	m	1,01	0,98	1,01	0,99	0,98	1,01	0,98	1,01	0,98	1,01	0,99	0,97	1,01	0,99	1,01	0,98
	ft	1,01	0,98	1,01	0,99	0,98	1,01	0,98	1,01	0,98	1,01	0,99	0,97	1,01	0,99	1,01	1,01
Inversion pressure in straight pipe	bar	0,4	0,5	0,3	0,3	0,3	0,3	0,3	0,3	0,25	0,3	0,25	0,2	0,25	0,2	0,25	0,2
	psi	5,80	7,25	4,35	4,35	4,35	4,35	4,35	4,35	3,63	4,35	3,63	2,90	3,63	2,90	3,63	2,90
	kPa		50	30	30	30	30	30	30	25	30	25	20	25	20	25	20
		40															
Curing pressure	bar	0,4	0,6	0,3	0,35	0,4	0,3	0,35	0,2	0,3	0,25	0,3	0,35	0,2	0,25	0,2	0,25
	psi	5,80	8,70	4,35	5,08	5,80	4,35	5,08	2,90	4,35	3,63	4,35	5,08	2,90	3,63	2,90	3,63
	kPa	40	60	30	35	40	30	35	20	30	25	30	35	20	25	20	25
Burst pressure	bar	1,4	1,4	1	1	1	0,9	0,9	0,8	0,8	0,7	0,7	0,7	0,6	0,6	0,5	0,5
	psi	20,31	20,31	14,50	14,50	14,50	13,05	13,05	11,60	11,60	10,15	10,15	10,15	8,70	8,70	7,25	7,25
	kPa	140	140	100	100	100	90	90	80	80	70	70	70	60	60	50	50

*The values given above are affected by the resin used, the pipe size. Expansion of the hose liner when changing dimensions will always affect the final wall thickness.