

## ABRASION-RESISTANT

# PROTAPE TPE 321 REINFORCED (LD)

Fabric-reinforced TPE hose for hot-air and chemical vapours up to 110 C



PROTAPE TPE 321 REINFORCED (LD) is a highly flexible suction and pressure hose in thermoplastic elastomer (TPE) with fabric reinforcement and spring-steel wire spiral. The operating range is -40 to +110 C continuous with peak +125 C, making the hose well-suited to hot-air distribution, granulate drying and chemical vapour extraction. The TPE wall combines elasticity with broader chemical resistance than PUR and a broader temperature range than PVC.

**Media:** Gas

**Temp:** -40 °C to 110 °C

✓ Cut to length

## APPLICATIONS

- Hot-air distribution in drying and heating systems
- Granulate drying in the plastics industry
- UV/IR drying in offset printing machines
- Exhaust gas extraction and cooling
- Blow-in insulation at construction sites
- General ventilation where temperatures up to +110 C are expected

## Technical specifications

<b>Material</b>	TPE (thermoplastic elastomer), fabric-reinforced
<b>Colour</b>	black
<b>Wall construction</b>	0.4 mm wall with polyester fabric embedded as reinforcement, spring-steel wire spiral in the wall
<b>Spiral material</b>	Fjederstaaltraad
<b>Conveying media</b>	Gas
<b>Temperature range</b>	-40 °C – 110 °C
<b>Short-term peak</b>	125 °C
<b>Cut to length</b>	Yes
<b>Manufacturer SKU</b>	3210000

### Standards and compliance

REACH, RoHS

## Dimensions and ordering

The hose is supplied in 14 standard sizes from inner Ø 40.0 mm to 450.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Article no.
40	-	-	-	-	-	20	0.2	32100400000
50	54	0.4	0.3	0.1	50	20	0.21	32100500000
75	79	0.4	0.2	0.07	70	20	0.31	32100750000
100	104	0.4	0.15	0.05	100	20	0.56	32101000000
110	114.04	0.4	-	-	-	20	0.48	32101100000
125	129	0.4	0.13	0.04	125	20	0.68	32101250000
150	154	0.4	0.11	0.04	150	20	0.73	32101500000
160	164	0.4	-	-	-	20	0.69	32101600000
200	204	0.4	0.08	0.025	200	20	1.28	32102000000
250	255	0.4	0.07	0.02	250	20	1.4	32102500000
300	305	0.4	0.05	0.015	300	20	1.55	32103000000
350	355	0.4	0.04	0.015	350	20	1.6	32103500000
400	405	0.4	0.04	0.015	400	20	1.77	32104000000
450	455	0.4	0.03	0.01	450	20	1.99	32104500000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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## Contact and advisory

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**Product page:** [particulair.eu/flexcore/en/abrasive/protape-tpe-321-reinforced-ld/](https://particulair.eu/flexcore/en/abrasive/protape-tpe-321-reinforced-ld/)

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