



- For heaviest duty applications
- PE hose
- Oil-resistant and coolant-resistant
- Highly abrasion-resistant
- Outside-toleranced
- PVC and halogen-free

Dynamic information

	Bend radius	flexible	minimum 10 x d
		fixed	minimum 7.5 x d
	Temperature	flexible	-25°C up to +60°C
		fixed	-30°C up to +65°C
	v max.	unsupported	10m/s
		gliding	6m/s
	a max.		50m/s ²

Technical data

	Material	Highly abrasion-resistant polyethylene adapted to suit the requirements in e-chains®. Colour: White
	Dimensions	Outside-toleranced
	Operating pressure	10 bar at 20°C
	Vacuum	-0.95 bar at 20°C

Properties and approvals

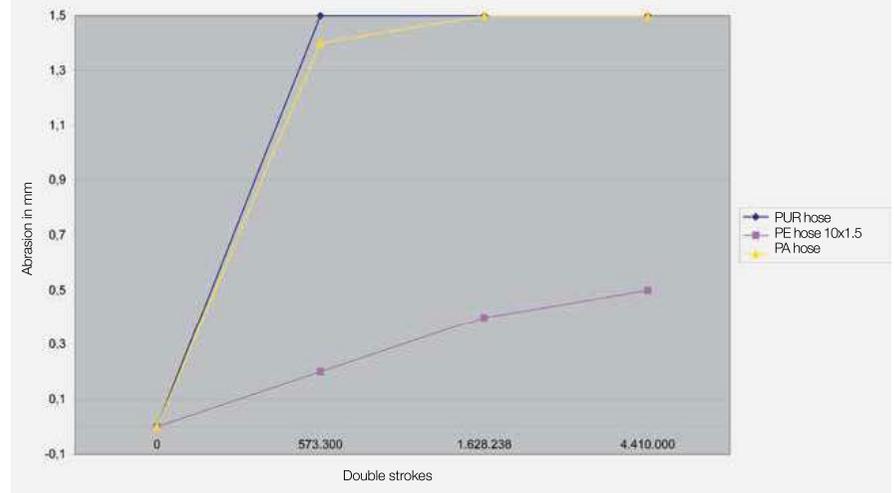
	Oil resistance	Oil-resistant
	Silicone-free	Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992)
	Halogen-free	Following DIN EN 60754
	Lead-free	Following 2011/65/EC (RoHS-II)
	Cleanroom	According to ISO Class 1, material/hose tested by IPA according to DIN EN ISO standard 14644-1
	UKCA	In accordance with the valid regulations of the United Kingdom (as at 08/2021)

Part No.	Max. package length [km]	Inner diameter [mm]	Wall thickness [mm]	Outer diameter (d) max. [mm]	Weight [g/m]
CAPE.A.04.0	1.0	2.7	0.65	4.0	8
CAPE.A.06.0	0.5	4.0	1.00	6.0	15
CAPE.A.08.0	0.5	5.7	1.15	8.0	21
CAPE.A.10.0	0.3	7.0	1.5	10.0	38
CAPE.A.12.0	0.2	8.0	2.00	12.0	54
CAPE.A.16.0	0.1	11.0	2.50	16.0	90



igus® material abrasion test

Comparison: Abrasion of pneumatic hoses PUR, PE und PA in combination with igus® e-chain® (with crossbar 450.30)



Example image