

TECHNICAL INFORMATION

ADHESIVES AND SEALANTS




ergo[®] BONDING & SEALING


BONDABILITY OF DIFFERENT MATERIALS


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OVERVIEW OF ACCESSORIES

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● very well suited ○ well suited ○ moderately suited Empty field = not suited

Category of plastics	Plastic types	Cyanoacrylates	Cyanoacrylates + primer	Anaerobics	Epoxy, 1 component	Epoxy, 2 components	Acrylates/MMA, NoMix	Acrylates/MMA, 2 components	Polyurethane, 1 comp., elastic	Polyurethane, 2 components	MS-polymers	Silicones	Prior treatment of the surface with cleaner 9190	Prior treatment of the surface with cleaner 9195	Optional method, mechanical roughening	Optional method, physical roughening (plasma, corona...)	
Thermoplastics	ABS*	●	○			○		○	○	○	○	○		●			
	ASA*	●	○			○		○	○	○	○	○		●			
	LCP	○	○		○	○	○	○	○	○	○	○	●	●	●	●	
	PA6	●		○	○	○	○	○	○	○	○	○	●	●	●		
	PBT	○	○		○	○		○	○	○	○	○	●	●	●	●	
	PC*	●			○	○		○	○	○	○	○	●	●		●	
	PE		○										●	●		●	
	PEEK	○	○		○	○	○	○		○	○	○	○	●	●	●	●
	PEI	●			○	○	○	○		○	○	○	○	●	●	●	●
	PES*	○			○	○		○	○	○	○	○	○	●	●		●
	PET	●	○		○	○	○	○	○	○	○	○	○	●	●		●
	PI	●			○	○	○	○	○	○	○	○	○	●	●		●
	PMMA*	●				○		○	○	○	○	○	○	●	●		●
	POM		○			○								●	●		●
	PP		○			○								●	●	●	●
	PPO*	●	○			○				○		○	○	●	●		●
	PS*	○				○		○		○		○	○	●	●		●
	PTFE		○											●	●		●
	PVC-P	●										○	○	●	●		●
	PVC-U	●	○				○			○	○	○	○	●	●	●	●
SAN	●					○			○	○	○	○	●	●		●	
PU*	○	○				○		○	○	○	○	○	●	●		●	
Thermosetting plastics	EP	●			○	○	○	○	○	○	○	○	●	●	●	●	
	MF	○			○	○	○	○	○	○	○	○	●	●	●	●	
	PF	○			○	○	○	○	○	○	○	○	●	●	●	●	
	UP	●			○	○	○	○	○	○	○	○	●	●	●	●	
Elaastomers	CR	●	○			○					○	○	●	●	●	●	
	EPDM	○	○			○					○	○	●	●	●	●	
	IR	●	○										●	●	●	●	
	NBR	●	○			○		○	○		○	○	●	●	●	●	
	NR	●	○						○				●	●	●	●	
	PU	○	○						○				●	●	●	●	
	SBR	●	○										●	●	●	●	
	SI	○	○										●	●	●	○	
TPE	●	○			○	○	○			○	○	●	●	●	○		
Other	Cardboard	○									○	○					
	Wood	○			○	○		○	○		○	○			○		
	Leather	○							○	○	○	○			○		
	Glass	○		○	○	○	○	○			○	○	●	●	○		
	Ceramics	○		○	○	○	○	○			○	○	●	●			
	Ferrites	○		○	○	○	○	○			○	○	●	●			
	Metals	○		○	○	○	○	○	○	○	○	○	●	●	●		

* Plastics tend to be sensitive to stress cracking

ergo® Acrylate No-Mix adhesives

	Colour	Viscosity [mPas]	Tensile shear strength Alu/Alu [N/mm ²] (DIN EN 14665)	Temperature range [°C]	Reaction time [sek.]	Package size
ergo® 1039 (gel)	opaque	gel	>15	-55 to +150	<45	50g/300g
ergo® 1090 (activator)	slightly brownish	low viscosity		for ergo® 1039		10ml/50ml
ergo® 1451 (gel)	slightly yellowish	gel	>18	-55 to +120	<30	50g
ergo® 1093 (activator)	light blue	low viscosity		for ergo® 1451		10ml/50ml
ergo® 1452 (set)	slightly yellowish	gel	>18	-55 to +120	<30	set of 5 items - 1g/0,5ml

ergo® Methacrylate-based structural adhesives

	Colour	Viscosity [mPas]	Tensile shear strength Alu/Alu [N/mm ²] (DIN EN 14665)	Elongation at failure [%] (DIN 53504 S2)	Temperature range [°C]	Mixing ratio	Pot life [Min.]	Initial strength [Min.]	Final strength [h]	Max. gap [mm]	Package size
ergo® 1307	white/green	5 000	>20	20	- 40 to + 130	1:1	2-5	10	12	0,1	50ml
ergo® 1315	white/green	6 500	>20	20	- 40 to + 150	1:1	1-2	5-6	12	0,1	50ml
ergo® 1320	beige/black	5 000	>20	20	- 40 to + 130	1:1	2-3	5-6	12	0,2	50ml
ergo® 1620	beige/white	100 000 tx	>16	160	- 40 to + 100	10:1	2	5	24	4	50ml
ergo® 1625	beige/white	100 000 tx	>16	160	- 40 to + 100	10:1	7	15	24	4	50ml / 490ml
ergo® 1630	beige/white	100 000 tx	>16	160	- 40 to + 100	10:1	20	45	24	4	50ml
ergo® 1640	beige/white	100 000 tx	>20	30	- 40 to + 100	10:1	2	5	24	4	50ml
ergo® 1645	beige/white	100 000 tx	>20	30	- 40 to + 100	10:1	7	15	24	4	50ml / 490ml
ergo® 1650	beige/white	100 000 tx	>20	30	- 40 to + 100	10:1	20	45	24	4	50ml / 490ml
ergo® 1665	white/blue	75 000 tx	>19	75	- 55 to + 120	10:1	3-6	8-13	24	10	50ml / 490ml
ergo® 1708	transparent	5 000	>18	4	- 40 to + 110	1:1	2-3	10	6	2	50ml
ergo® 1810	red/green	150 000 tx	>25	50	- 40 to + 150	1:1	3-5	10	12	0,5	50ml
ergo® 1910	white/green	6 500	>20	8	- 50 to + 180	1:1	2-3	10	12	0,15	50ml
ergo® 1915	white/green	15 000 tx	>20	8	- 50 to + 150	1:1	2-3	10	12	0,15	50ml
ergo® 1920	yellow/green	20 000 tx	>18	10	- 40 to + 110	1:1	7	8	2	2	50ml / 2,5kg
ergo® 1925	yellow/green	20 000 tx	>19	10	- 40 to + 110	1:1	20	25	4	2	50ml / 2,5kg

tx: thixotropic

ergo® Epoxy-based structural adhesives

	Colour	Viscosity [mPas]	Tensile shear strength Alu/Alu [N/mm ²] (DIN EN 1465)	Elongation at failure [%] (DIN 53504 S2)	Temperature range [°C]	Mixing ratio	Pot life [Min.]	Initial strength [h]	Final strength [h]	Max. gap [mm]	Package size
ergo® 7410	clear/light yellow	12 000	15	4	-60 to +100	1:1	3	5 Min.	48	0.5	50ml / 200ml
ergo® 7420	clear/light yellow	30 000	23	3	-40 to +100	1:1	100	7	48-72	2	50ml / 200ml
ergo® 7430	white/black/grey	pasty	25	1	-60 to +100	1:1	50-60	4	96	5	50ml / 200ml
ergo® 7214	grey	thixotropic	>18	1	-40 to +140	2:1	40	4	48-72	4	50ml / 200ml
ergo® 7215	clear/beige	thixotropic	>18	4	-60 to +100	1:1	30-40	4	48-72	10	50ml

ergo® Epoxy-based repair sticks

	Filler	Viscosity [mPas]	Tensile shear strength Alu/Alu [N/mm ²] (DIN EN 1465)	Elongation at failure [%] (DIN 53504 S2)	Temperature range [°C]	Mixing ratio	Pot life [Min.]	Final strength [h]	Package size
ergo® 7800	steel	modeling clay	4	-	-50 to +120	-	4	3	114g
ergo® 7810	aluminium	modeling clay	4	-	-50 to +120	-	4	3	56g / 114g

ergo® RTV silicones

	Colour	Chemical basis	Viscosity [mPas] (Shear rate 10s ⁻¹)	Viscosity [mPas] (Shear rate 100s ⁻¹)	Tensile shear strength (DIN 53504 S2)	Elongation at failure [%] (DIN 53504 S2)	Temperature range [°C]	Skin formation [Min.]	Density [g/cm ³]	Full curing 24 h at 23°C/50% rF [mm]	Shore-A-hardness (DIN 53505)	Package size
ergo® 3010	black	mod. oxime silicone	70 000	20 000	>2,0	280	-60 to +260	7	1,28	2	40	200ml / 310ml
ergo® 3020	red	mod. oxime silicone	65 000	20 000	>2,0	300	-60 to +315	7	1,28	2	40	200ml
ergo® 3030	blue	mod. oxime silicone	70 000	20 000	>2,0	270	-60 to +260	7	1,28	2	40	200ml / 310ml
ergo® 3040	transparent	mod. oxime silicone	50 000	15 000	>1,8	270	-60 to +260	7	1,04	2	40	200ml / 310ml
ergo® 3060	grey	mod. oxime silicone	70 000	20 000	>2,0	280	-60 to +260	7	1,28	2	40	200ml / 310ml
ergo® 3110	black	mod. oxime silicone	70 000	20 000	>2,0	450	-60 to +260	7	1,25	2-3	42	200ml / 310ml
ergo® 3210	black	Addition cure	12 000	5 000	0,5	120	-40 to +200	-	1,10	-	30	50ml / 200ml

ergo® MS-polymers

	Mixing ratio	Colour	Viscosity [mPas] (Shear rate 10s ⁻¹)	Viscosity [mPas] (Shear rate 100s ⁻¹)	Tensile strength [N/mm ²] (DIN 53504)	Elongation at failure [%] (DIN 53504)	Temperature range [°C]	Shore-A-hardness (DIN 53505)	Skin formation [Min.]	Full curing 24 h at 23°C/50% rF [mm]	Package size
ergo® 6200	1 comp. -	white	120 000	45 000	>3	500	-40 to +90	42	25	3,0	310ml
ergo® 6201	1 comp. -	grey	120 000	45 000	>3	500	-40 to +90	42	25	3,0	310ml
ergo® 6205	1 comp. -	black	120 000	45 000	>3	500	-40 to +90	42	25	3,0	310ml
ergo® 6210	2 comp. 10:1	white	100 000	40 000	>2,6	450	-40 to +90	42	20	view TDS	490ml
ergo® 6211	2 comp. 10:1	grey	100 000	40 000	>2,6	450	-40 to +90	42	20	view TDS	490ml
ergo® 6215	2 comp. 10:1	black	100 000	40 000	>2,6	450	-40 to +90	42	20	view TDS	490ml
ergo® 6300	1 comp. -	white	300 000	140 000	>3,2	400	-40 to +90	55	10	3,0	310ml
ergo® 6305	1 comp. -	black	300 000	140 000	>3,2	400	-40 to +90	55	10	3,0	310ml
ergo® 6521	1 comp. -	transp.	150 000	100 000	>2	400	-40 to +90	35	10	3,0	310ml
ergo® 6565	1 comp. -	grey	self-levelling		>2,8	200	-40 to +90	40	5	3,0	310ml
ergo® 6615	2 comp. 1:1	grey	150 000	100 000	>3	250	-40 to +90	45	10	view TDS	400ml

ergo® Auxiliary products for MS-polymers

	Designation	Colour	Use	Package size
ergo® 6950	Primer	colourless	For MS-polymers on non-absorbant substrates such as glass, ceramics, metals and plastics	500ml
ergo® 6960	Primer	colourless	for MS-polymers on absorbant substrates such as concrete, brick and stone	500ml

ergo® Anaerobic adhesives

	Designation	Colour	Viscosity [mPas]	Breakaway torque [Nm] (DIN 5445/4)	Prevailing torque [Nm]	Compression shear strength [N/mm ²] (DIN 5445/4)	max. gap [mm]	max. thread size	Temperature range [°C]	Final strength at 25°C [h]	Approvals, Registrations	Package size
ergo® 4003	Threadlocker low strength	purple	1 000	>10	>2	>10	0,2	M 36	-55 to +150	10	-	10g/50g/250g
ergo® 4050	Threadlocker medium strength	blue	150	>15	>7	>8	0,15	M 12	-55 to +150	10	-	5g/50g
ergo® 4052	Threadlocker medium strength	blue	2 200 tx	>21	>10	>20	0,25	M 36	-55 to +150	3	1/2/3	10g/50g/250g
ergo® 4100	Threadlocker high strength	red	1 500 tx	>20	>35	>20	0,25	M 36	-55 to +150	6	1/2	10g/50g/250g
ergo® 4101	Threadlocker high strength	green	700	>25	>40	>20	0,15	M 25	-55 to +150	10	1/2	10g/50g/250g
ergo® 4115	Threadlocker high strength heat resist.	red	10 000 tx	>23	>23	>25	0,2	M 36	-55 to +200	24	-	50g/250g
ergo® 4202	Hydraulic sealant medium strength	brown	600	>14	>16	>8	0,15	3/4"	-55 to +150	6	-	10g/50g/250g
ergo® 4203	Hydraulic sealant low strength	violet	17 000 tx	>2	>1	>1	0,15	3/4"	-55 to +150	24	-	50g/250g
ergo® 4205	Pipe sealant low strength with Teflon®	white	17 500 tx	>5	>4	>5	0,3	3"	-55 to +200	12	1/2/3	50g/250g
ergo® 4207	Pipe sealant universal medium strength	yellow	23 000 tx	>10	>10	>6	0,5	3"	-55 to +150	6	1/2/3	50g/100ml/250g
ergo® 4208	Pipe sealant high strength	red	2 500	>25	>30	>27	0,2	2"	-55 to +175	24	-	50g/250g
ergo® 4209	Pipe sealant high strength	red	6 500	>25	>35	>20	0,3	2"	-55 to +150	24	1/3	50g/250g
ergo® 4211	Pipe sealant med. strength heat resist.	violet	11 000 tx	>15	>19	>7	0,2	2"	-55 to +175	24	-	50g/250g
ergo® 4212	Pipe sealant with Teflon® low strength	white	240 000 tx	>4	>1	>2	0,5	3"	-55 to +150	24	1/2/3	50g/250g

■ Products without danger pictogram according to (EG) Nr. 1272/2008 in paragraph 2.2

tx: thixotropic

Approvals/Registrations:

- 1.) NSF - ANSI 61 = Drinking water contact
- 2.) NSF - P1 = Indirect foodstuff contact
- 3.) DVGW / DIN EN751-1 = According to DVGW-TRGI 2008 not allowed in Germany in threaded fasteners of gas-conducting components for gas installations

	Designation	Colour	Viscosity [mPas]	Breakaway torque [Nm] (DIN 54454)	Prevailing torque [Nm]	Compression shear strength [N/mm ²] (DIN 54454)	Tensile strength [N/mm ²]	max. gap [mm]	max. thread size	Temperature range [°C]	Final strength at 25°C [h]	Approvals, Registrations	Package size
ergo® 4252	Flange sealant low strength	green	20 000 tx	>6	>3	>4	>2	0,30		-55 to +150	24	1/2	50g/250g
ergo® 4253 ■	Flange sealant universal low strength	orange	34 000 tx	>8	>5	>5	-	0,50		-55 to +150	24	1/2	50g/250g
ergo® 4254	Flange sealant flexible medium strength	red	250 000 tx	>18	>10	>18	>14	0,50		-55 to +150	72	-	50g/250g
ergo® 4280	Flange sealant high strength heat resist.	red	80 000 tx	-	-	>12	>10	0,50		-55 to +200	12	1/2	50g/250g
ergo® 4301 ■	Impregnating agent medium strength	green	50	>18	>30	>12	-	0,07	M 5	-55 to +150	6	-	50g/250g
ergo® 4401 ■	Retaining compound medium strength	yellow	500	-	-	>8	-	0,15	M 12	-55 to +150	3	-	50g/250g
ergo® 4430	Retaining compound high strength	green	150	>25	>40	>25	-	0,15	M 12	-55 to +150	6	1/2	10g/50g/250g
ergo® 4451	Retaining compound high strength	green	2 500	>25	>40	>27	-	0,20	M 36	-55 to +150	4	1/2	10g/50g/250g
ergo® 4452	Retaining compound high strength	green	600	>20	>30	>25	-	0,15	M 20	-55 to +175	24	-	50g/250g
ergo® 4453	Retaining compound high strength heat resist.	green	550	>25	>40	>27	-	0,15	M 20	-55 to +175	4	1/2/3	10g/50g/250g
ergo® 4455	Retaining compound high strength heat resist.	green	1 500	>25	>40	>27	-	0,15	M 20	-55 to +175	4	-	50g/250g
ergo® 4460	Retaining compound high strength heat resist.	green	13 000	>25	>25	>25	-	0,20	M 36	-55 to +200	24	3	50g/250g

■ Products without danger pictogram according to (EG) Nr. 1272/2008 in paragraph 2.2

ergo® Auxiliary products for anaerobic adhesives

	Designation	Colour	Package size
ergo® 4900	Activator	turquoise	100g / 1kg

ergo® Cyanoacrylate instant adhesives

	Designation	Colour	Viscosity [mPas]	Tensile shear strength Steel/Steel [N/mm ²] (DIN EN 1465)	Temperature range [°C]	Curing time (sec.)			Approvals, Registrations	Package size
						Alu	CBR	EPDM		
ergo® 5011	Universal	colourless	100	20	-30 to +80	50	5	10	2	20g / 30g / 50g / 500g
ergo® 5012	Universal	colourless	90	15	-30 to +80	65	7	25		5g
ergo® 5014	Universal	colourless	2 000	15	-30 to +80	60	8	10		20g / 30g / 50g / 500g
ergo® 5705	Universal	colourless	500	18	-30 to +80	60	7	7		20g / 50g
ergo® 5039	Universal gel	colourless	thixotropic	24	-30 to +80	100	21	30		3g / 20g
ergo® 5300	Elastomer	colourless	30	-	-30 to +80	25	3	2	2	20g / 30g / 50g / 500g
ergo® 5925	Elastomer	colourless	30	-	-30 to +80	60	5	7	2	20g / 30g / 50g / 500g
ergo® 5950	Plastics	colourless	5	-	-30 to +80	28	5	6		20g / 50g / 500g
ergo® 5400	Plastics	colourless	30	-	-30 to +80	35	3	2	2	20g / 30g / 50g / 500g
ergo® 5713	Plastics	colourless	1 200	-	-30 to +80	60	6	10		20g / 30g / 50g / 500g
ergo® 5200	Metal	colourless	5	18	-55 to +80	20	-	-		20g / 50g / 500g
ergo® 5210	Metal	colourless	400	14	-55 to +105	35	-	-		20g / 50g / 500g
ergo® 5634	Metal	colourless	2 800	18	-55 to +120	90	-	-		20g / 50g / 500g
ergo® 5861	Porous	colourless	100	17	-55 to +85	35	5	10	2	20g / 50g / 500g
ergo® 5880	Black	black	150	20	-55 to +120	35	25	25		20g / 50g / 500g
ergo® 5889	Special	colourless	400	14	-55 to +105	30	12	17		20g / 50g / 500g
ergo® 5901 ■	Low odor	colourless	6	12	-30 to +100	100	15	65		20g / 500g
ergo® 5922 ■	Low odor	colourless	60	12	-30 to +100	100	25	18		20g / 50g / 500g
ergo® 5923 ■	Low odor	colourless	1 000	12	-30 to +100	100	32	28		20g / 500g
ergo® 5370	2K Repair	colourless	thixotropic	16	-55 to +80	10	10	10		10g
ergo® 5380	2K Flexible	colourless	thixotropic	7	-55 to +80	90	20	20		10g
ergo® 5390	Universal 2 comp.	colourless	thixotropic	8	-40 to +80	60	50	25		10g

■ Products without danger pictogram according to (EG) Nr. 1272/2008 in paragraph 2.2

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ergo® Auxiliary products for cyanoacrylate instant adhesives

	Designation	Colour	Use	Package size
ergo® 5150	Primer	colourless	Adherence improving product for difficult to bond materials such as PA12, PE, PETP, PI, POM, PP, PTFE, MVQ, TPE, etc.	10g / 50g / 1L
ergo® 5100	Activator	colourless	Curing accelerator for instant adhesives	150ml / 1L / 5L
ergo® 5000	Filler	white	Mineral filler for ergo® cyanoacrylate instant adhesives	30g

ergo® General auxiliary products for bonding and sealing

	Designation	Colour	Use	Package size
ergo® 9153	Adhesive remover	colourless	Adhesive remover to absorb liquid adhesives, dissolve and remove cured surpluses or residues	20ml / 1L / 20L
ergo® 9190	Metal cleaner	colourless	Cleaning and degreasing product for metals, ferrites, ceramics and glass	150ml / 500ml / 5L / 10L
ergo® 9195	Plastics cleaner	colourless	Cleaning and degreasing product for all kind of plastics	150ml / 500ml / 5L

QUADRO- AND HELIX MIXER

With us you will find a wide selection of suitable mixers. For this purpose we're pleased to advise you and to send you our complete overview.

SCREW-IN NOZZLES (SET OF 10 PIECES)

310ml MS-polymer eurocartridge	Typ 4472039
310ml MS-polymer triangular screw-in nozzle	Typ 4472051
310ml MS-polymer Rika screw-in nozzle	Typ 4472052

MANUAL APPLICATOR GUNS FOR ergo® DUAL COMPONENT ADHESIVES

50ml twin cartridges 1:1 and 2:1	Typ 4472101
50ml twin cartridges 10:1	Typ 4472105
200ml twin cartridges 1:1 and 2:1	Typ 4472300
400ml twin cartridges 1:1	Typ 4472303
490ml twin cartridges 10:1	Typ 4472320

MANUAL APPLICATOR GUNS FOR EUROCARTRIDGES

310ml eurocartridges	Typ 4472304
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PNEUMATIC APPLICATOR GUNS FOR ergo® DUAL COMPONENT ADHESIVES

50ml twin cartridges 1:1 and 2:1	Typ 4472111
200ml twin cartridges 1:1 and 2:1	Typ 4472200
200ml twin cartridges 10:1	Typ 4472305
400ml twin cartridges 1:1	Typ 4472306
490ml twin cartridges 10:1	Typ 4472321

PNEUMATIC APPLICATOR GUNS FOR EUROCARTRIDGES

310ml eurocartridges	Typ 4472307
310ml Jetflow	Typ 4472311

PNEUMATIC APPLICATOR GUNS WITH SPRAY FUNCTION FOR FOIL SAUSAGES

400ml and 600ml foil sausages	Typ 4472309
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DOSING SYSTEM AND ACCESSORIES

Cartridge dosing appliance with accessories	Typ 4481106
3 cc Polypropylene cartridges transparent	Typ 4496000
5 cc Polypropylene cartridges transparent	Typ 4496001
10 cc Polypropylene cartridges transparent	Typ 4496002
30 cc Polypropylene cartridges transparent	Typ 4496003
55 cc Polypropylene cartridges transparent	Typ 4496007
3 cc Cartridge connector with tube, filter and quick coupling	Typ 4496010
5 cc Cartridge connector with tube, filter and quick coupling	Typ 4496011
10 cc Cartridge connector with tube, filter and quick coupling	Typ 4496012
30/55 cc Cartridge connector with tube, filter and quick coupling	Typ 4496013
3 cc O-Ring for cartridge connector, Viton, acid-proof	Typ 4496020
5 cc O-Ring for cartridge connector, Viton, acid-proof	Typ 4496021
10 cc O-Ring for cartridge connector, Viton, acid-proof	Typ 4496022
30/55 cc O-Ring for cartridge connector, Viton, acid-proof	Typ 4496023
3 cc Cartridge end caps	Typ 4496030
5 cc Cartridge end caps	Typ 4496031
10 cc Cartridge end caps	Typ 4496032
30/55 cc Cartridge end caps	Typ 4496033
3 cc Cartridge piston polyethylene	Typ 4496040
5 cc Cartridge piston polyethylene	Typ 4496041
10 cc Cartridge piston polyethylene	Typ 4496042
30/55 cc Cartridge piston polyethylene	Typ 4496043
Cartridge needle closure	Typ 4496061
Protection filter for dosing appliance	Typ 4496062

SPECIAL APPLICATION ACCESSORIES

Dosing nozzles with PTFE application, Inside 0.26mm, pink	Typ 4496070
Dosing nozzles with PTFE application, Inside 0.60mm, grey	Typ 4496071
Charge brush for thin fluid media, soft-bristled	Typ 4496063
Charge brush for thin fluid media, stiff-bristled	Typ 4496064

DISPOSABLE NEEDLES NYLON/STAINLESS STEEL, LUER-LOCK, FOR ergo® FITTINGS AND CARTRIDGE DOSING, 12MM LONG (SET OF 25 PIECES)

Inside 0.16mm, lavender	Typ 4492101
Inside 0.21mm, transparent	Typ 4492111
Inside 0.26mm, red	Typ 4492121
Inside 0.34mm, orange	Typ 4492131
Inside 0.41mm, blue	Typ 4492141
Inside 0.51mm, violet	Typ 4492151
Inside 0.60mm, pink	Typ 4492161
Inside 0.84mm, green	Typ 4492171
Inside 1.37mm, peach	Typ 4492181
Inside 1.55mm, olive	Typ 4492191

POLYETHYLENE DOSING NOZZLES, LUER-LOCK, FOR ergo® FITTINGS AND CARTRIDGE DOSING APPLIANCE (SET OF 25 PIECES)

Inside 0.26mm, red	Typ 4492561
Inside 0.41mm, blue	Typ 4492501
Inside 0.58mm, pink	Typ 4492511
Inside 0.84mm, green	Typ 4492521
Inside 1.20mm, grey	Typ 4492531
Inside 1.55mm, olive	Typ 4492541

POLYETHYLENE DOSING NOZZLES, LUER-SLIP, FOR ergo® FITTINGS AND CARTRIDGE DOSING APPLIANCE (SET OF 50 PIECES)

Inside 0,50 mm, transparent	Typ 4492011
Inside 1,00 mm, transparent	Typ 4492022

KISLING AG – STANDS FOR INNOVATION AND QUALITY.

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