



ENGINEERING ADHESIVES

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Pipe Sealants

5542 Pipe Sealant

Medium viscosity, high-strength pipe sealant well penetrating into fine threads, resisting up to -50°C / $+200^{\circ}\text{C}$. Solvent-free. Non-dripping. When fully cured, will seal up to the bursting pressure of the pipe. Seals anaerobically. Keeps its strength and sealing properties against shocks & vibrations long after application. Used on close-fitting metal pipe threads where all kinds of water, oil, grease, and chemicals pass. Can also be used in assembling joint parts of pressure vessels, air compressors, hydraulic systems and tanks, and in areas where resistance against vibration is required.

Suitable for Type H thick metal thread joints according to TSE EN 751-1 Standard.



PART NO.	BOTTLE SIZE	BOX QTY
5542-050ML	50ml	10
5542-250ML	250ml	6



5543 Pipe Sealant

General purpose, medium-viscosity, medium-strength, removable, oil-resistant pipe sealant. Resists up to -50°C / $+150^{\circ}\text{C}$. Solvent-free. Non-dripping.

When fully cured, seals up to the bursting pressure of the pipe. Seals anaerobically. Keeps its strength and sealing properties against shocks & vibrations long after application. Used on close-fitting metal pipe threads where all kinds of water, oil, grease, and chemicals pass. Can also be used in compressors, hydraulic systems and tanks, and in areas where resistance against vibration is required.

Suitable for Type H thick metal thread joints according to TSE EN 751-1 Standard.

PART NO.	BOTTLE SIZE	BOX QTY
5543-050ML	50ml	10
5543-250ML	250ml	6

5567 Pipe Sealant (with PTFE)

High viscosity, low strength white Teflon filled anaerobic pipe sealant. Thixotropic formulation reduces run-off and migration of the product before assembly. It can be applied to threaded joints and removed easily with hand tools. Offers high temperature resistance and shows instant low pressure resistance after application.

PART NO.	BOTTLE SIZE	BOX QTY
5567-050ML	50ml	12
5567-250ML	250ml	9



5577 Pipe Sealant (with PTFE)

High viscosity, easy-to-apply, high-pressure resistant pipe sealant with high chemical resistance. Resists up to -50°C / +150°C. Ideal for wide-diameter applications of 2" and above. Provides pressure resistance of 100 psi / 7 bar even right after application. Solvent-free. Non-dripping. When fully cured, will seal up to the bursting pressure of the pipe. Seals anaerobically. Keeps its strength and sealing properties against shocks & vibrations long after application. Used on close-fitting metal pipe threads where all kinds of water, oil, grease, and chemicals pass. Can also be used in assembling joint parts of pressure vessels, air compressors, hydraulic systems and tanks, and in areas where resistance against vibration is required.

Suitable for Type H thick metal thread joints according to TSE EN 751-1 Standard.



PART NO.	BOTTLE SIZE	BOX QTY
5577-050ML	50ml	12
5577-250ML	250ml	9

GM-10 High Temperature Resistant Gasket Maker

Red coloured, high-temperature resistant, fast curing liquid gasket maker used in all metal parts. Seals perfectly at temperatures up to 200°C. Can be applied in every position at high temperatures. Ensure parts are clean, dry and free from oil and grease. Apply with a brush or directly from tube. Apply as a film coating to fill the cracks and gaps on the surface. Smooth the surface.

PART NO.	BOTTLE SIZE	BOX QTY
GM10-050ML	50ml	12
GM10-250ML	250ml	9



GM-18 General Purpose Gasket Maker



Red coloured, semi-flexable, fast curing liquid gasket maker used in all metal parts. Seals perfectly at temperatures up to 150°C. Fills Surface imperfections, reducing machining costs.

Typical applications: Fuel and water pumps, bearing boxes, engine thermostats, air compressors, pumps in various combinations, fuel tanks, etc. Can be used on other gaskets. Flexible and non dripping. Vibration resistant.

PART NO.	BOTTLE SIZE	BOX QTY
GM18-050ML	50ml	12
GM18-250ML	250ml	9

GM-74 General Purpose Gasket Maker

Pale orange coloured, general purpose gasket maker in the form of thick paste. Fills the gaps between two parts and closes like a flexible gasket. Provides impermeability at low pressure even right after the application.

Typical applications: Fuel and water pumps, bearing boxes, engine thermostats, air compressors, pumps in various combinations, fuel tanks, etc. Can be used on other gaskets. Flexible and non-dripping. Vibration-resistant.

PART NO.	BOTTLE SIZE	BOX QTY
GM74-050ML	50ml	12
GM74-250ML	250ml	9



TL-22 Screwlock

Easily dismantlable anaerobic adhesive used on soft metals and components, screws smaller than 1/4" (6mm), and in applications that require adjusting.

PART NO.	BOTTLE SIZE	BOX QTY
TL22-015ML	15ml	24
TL22-050ML	50ml	10
TL22-250ML	250ml	6



TL-43 Removable Nutlock (Oil Resistant)

General purpose, medium-high strength, removable anaerobic nutlock. Can be applied to all sizes of nuts and bolts. Does not run of, drip, or migrate after assembly. Easy application. Used on mounting bolts, housing screws, mechanical adjustment bolts, hydraulic system bolts, roller bearing bolts, conveyor belt bolts, etc.



PART NO.	BOTTLE SIZE	BOX QTY
TL43-015ML	15ml	24
TL43-050ML	50ml	10
TL43-250ML	250ml	6

TL-63 Permanent Studlock

Locks studs, nuts, and bolts up to 1" (25mm) in size. Used on engine studs, cylinder block joints, water pump couplings, and white goods industry.

PART NO.	BOTTLE SIZE	BOX QTY
TL63-015ML	15ml	24
TL63-050ML	50ml	10
TL63-250ML	250ml	6



TL-90 Penetrating Threadlock

Very low viscosity, fast curing anaerobic threadlocker. Used in filling the smallest gaps on the surface and joint areas of metal parts. Prevents leakages in gears and cylindrical close fits. Great ability of filling small gaps on the surface of castings.



PART NO.	BOTTLE SIZE	BOX QTY
TL90-015ML	15ml	24
TL90-050ML	50ml	10
TL90-250ML	250ml	6

Retaining Compounds

RT-01 Shaft Fit

Single component, low viscosity, fast curing product. Can be used in all types of rough surfaces. Used for strengthening the mechanical connections. Locks the splines and wedges together. Fills gaps in worn out joints. Fits bearings, prevents dislocation. Locks impellers and shafts together. Locks liners and coupling sleeves to bearings and the shaft. Fills smallest gaps due to its low viscosity.

PART NO.	BOTTLE SIZE	BOX QTY
RT01-015ML	15ml	24
RT01-050ML	50ml	10
RT01-250ML	250ml	6



RT-20 High Temperature Resistant Retaining Compound



Single component retaining compound used in engaging cylinder metal parts. Cures when metals engage airtight. Usually used in worn parts and areas where high tolerance fitting is required. Resists heat up to 230°C. Safe to use on fitting bearings, shafts, cylindrical parts where future dismantling is not required. Green coloured, high strength product. Can be dismantled at very high temperatures.

PART NO.	BOTTLE SIZE	BOX QTY
RT20-015ML	15ml	24
RT20-050ML	50ml	10
RT20-250ML	250ml	6

RT-38 High Strength Retaining Compound

Single component, high viscosity, high strength retaining compound used on all types of hard surfaces to strengthen mechanical connections. Fits bearings. Fills gaps in worn out joints. Locks impellers and shafts together. Locks liners and coupling sleeves to bearings and the shaft.

PART NO.	BOTTLE SIZE	BOX QTY
RT38-015ML	15ml	24
RT38-050ML	50ml	10
RT38-250ML	250ml	6



RT-41 Medium Strength Retaining Compound



Medium viscosity, yellow coloured anaerobic retaining compound used in sealing bearing houses, roller sealing bearing housing, rolling bearings, and bearings. Can be dismantled with regular tools.

PART NO.	BOTTLE SIZE	BOX QTY
RT41-015ML	15ml	24
RT41-050ML	50ml	10
RT41-250ML	250ml	6

HP-42 Hydraulic & Pneumatic Sealant

Low viscosity sealant used on hydraulic and pneumatic fittings and servomechanisms up to 50mm in diameter. Easy application. Does not shrink when fully cured. High Pressure resistant (up to 700 bar). High resistance to vibration, solvents, heat (up to 150°C), humidity, and corrosion.

PART NO.	BOTTLE SIZE	BOX QTY
HP42-050ML	50ml	10
HP42-250ML	250ml	6



HP-69 Hydraulic & Pneumatic Sealant

Low viscosity pipe sealant is an easily applied anaerobic product used in hydraulic and pneumatic fittings with diameters up to 50mm and servomechanisms. Does not shrink when fully cured. Shows great resistance to high pressure, vibration, solvents, corrosion, moisture and heats up to 150°C.



PART NO.	BOTTLE SIZE	BOX QTY
HP69-050ML	50ml	10
HP69-250ML	250ml	6

SI-4011 High Strength General Purpose

Specially formulated cyanoacrylate adhesive for non-sensitive wide surfaces such as wood, cardboard, leather etc. It cures faster than other adhesive solutions. It can mainly be used in applications like wood, hobby materials, shoes and bag accessories.

PART NO.	BOTTLE SIZE	BOX QTY
SI4011-020ML	20ml	10
SI4011-500ML	500ml	1



PR-4066 High Strength Plastic & Rubber Bonding



Medium-low viscosity cyanoacrylate adhesive formulated for plastic surfaces. Perfectly bonds O-rings. Bonds metal, plastic, rubber, ceramic etc.

PART NO.	BOTTLE SIZE	BOX QTY
PR4066-020ML	20ml	10
PR4066-500ML	500ml	1

COMPARISON CHART

* Please Note: This information is for comparative purposes ONLY – products are not identical.

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BRAND	THREADLOCKERS				RETAINING COMPOUNDS			
EMS FORCE	TL22	TL43	TL63	TL90	RT01	RT20	RT38	RT41
LOCTITE*	222	243	263	290	601	620	638	641
CYBERBOND*	TM11	TM44	TM66	RL65	RL67	RH98	RH99	-
CHEMTOOLS*	8222	8243	8263	8290	8609	8620	-	8641
PERMATEX*	24024	24027/24300	-	29040	-	-	-	-
LOXEAL*	24-18	55-03	-	70-14	82-21	86-86	85-21	53-11

BRAND	SEALANTS						GASKET MAKERS			ADHESIVES	
EMS FORCE	5542	5543	5567	5577	HP-42	HP-69	GM10	GM18	GM74	SI-4011	PR-4066
LOCTITE*	-	243	567	577	542	569	510	518	574	401	406
CYBERBOND*	-	-	SH22	SH27	SM40	SM40	SH55	SH58	-	2610	2008
CHEMTOOLS*	-	-	8567	8577	8542	-	8510	8518	8574	8401	8406
PERMATEX*	-	-	-	-	-	-	-	51813	-	21309	-
LOXEAL*	85-86	55-03	-	58-11	53-14	-	59-10	58-31	58-14	435	32/41



SELECTION CHART – THREADLOCKERS

Anaerobic adhesives to lock studs, nuts, screws and any threaded fasteners. To prevent loosening caused by vibration, mechanical and thermal shocks and prevent thread seizure and galling.

THREADLOCKERS				
PART NUMBER	TL22	TL43	TL63	TL90
USAGE	Locking of low strength metals. Especially for very easy to remove connections such as adjusting screws	General Purpose nutlock. Tolerant to oils on surfaces. Non dripping formula. Easy to remove	High strength, locks and seals metal fasteners up to 1in. Hard to remove	Medium to high strength, low viscosity. Locks and seals threaded fasteners and close fittings. Great ability for filling small gaps
MATERIAL	Metals: Steel, Stainless Steel, Aluminium, Copper, Brass, Chrome & Zinc Coated Metals			
VISCOSITY	Medium	Medium	Low-Medium	Low
TEMP RANGE (C)	-50 to 150	-50 to 150	-50 to 180	-50 to 150
FUNCTIONAL CURING TIME	1-3hrs	3hrs	1-3hrs	3hrs
FULL CURING TIME	8hrs	8hrs	8hrs	8hrs
BREAK TORQUE (Nm)	4-5	15-17	25-30	20-30

