

GloMold PlusTM is your in-process mold conditioning solution

Reduce downtime and material waste for significant cost savings

Dirty molds cost molding operations hundreds of thousands of dollars in downtime, lost productivity and wasted material. Traditional cleaning processes require pulling the mold out of the press and blasting it with cleaning media. This stops production and presents opportunity for damage to the mold.

GloMold Plus is a nitrile polymer compound that is used in-place to keep fouling from building up in compression, injection and transfer rubber molding.



Today's GloMold Plus has been improved to make it:

- Nearly odorless
- Extended shelf life – a minimum of six months
- Zero VOC

How GloMold Plus works

GloMold Plus cleans by diffusion. Maintenance of temperature and pressure cavity are critical. Higher temperatures increase diffusion rate but also reduce cleaning time.

GloMold Plus takes the shape of the mold and then comes out looking like a finished piece.

As GloMold Plus will also remove mold release agents from the mold, they must be reapplied after each application.

Injecting GloMold Plus into your mold after an established number of runs, depending on your production schedule, conditions to keep your molds clean, reducing:

- rejects due to defects or poor surface appearance
- heat transfer loss
- and improper mold fill

GloMold Plus can also protect molds during storage. Simply inject GloMold Plus during the last heat and remove the mold in the closed position. Your mold will be protected from rust for a minimum of six months and remain clean and ready for production - reducing set-up time.



There's a GloMold Plus™ formulation that's ideal for your process

This chart can help you determine which GloMold Plus product is right for your operation. These products are typically provided in slab form, so that customers can cut it to the shape they need.

PRODUCT SELECTION GUIDE

Product		Standard	Low Temp	High Temp	High Tear	Low Mooney	Non-Curing
Color		Yellow	Red	Orange	Green	Blue	Lavender
Temp/Cure Time	Low	345deg/13min	275deg/20min	385deg/5min	345deg/13min	345deg/13min	160deg
	High	380deg/8min	340deg/14min	450deg/1min	380deg/8min	380deg/8min	400deg
Specific Gravity	g/cm3	1.13	1.13	1.13	1.14	1.28	1.13
Tensile Strength	psi	1220	1220	750	1290	740	N/A
300% Modulus	psi	150	150	670	110	650	N/A
Elongation	%	720	720	270	810	310	N/A
Hardness	Shore A	46	46	55	43	56	N/A
Tear Strength	ppi	111	111	49	178	69	N/A

GloMold Plus can be used in normal processing in aluminum, steel or chrome-plated molds. It is not recommended for use in applications using brass or "exotic" mold coatings, some FKM (ASTM D1418) materials, Dupont™ Diak™ curing agents or liquid silicone (LSI).

GloMold Plus can save molding operations thousands of dollars per month

The chart below shows annual cost savings based on a typical production schedule.

Contact our GloMold Plus sales representative can for an analysis like this to outline how much mold condition with GloMold Plus can annual save your operation.

GLO-MOLD COST-BENEFIT ANALYSIS

Customer Information		Glo-Mold Information		Media (Sand, Dry Ice) Blast Information	
Number of Machines / Molds	25	Recommended Cycles for Cleaning	900	Weekly average cleanings per mold	2
Average cycles per shift	12	Cleaning times per day	1	Daily average cleanings per mold	0.29
Shifts	3	Lb. used per Cleaning	1.10	Monthly average cleanings per mold	8.57
Cycles per day	900	Number of Machines / Molds	25	Number of Machines / Molds	25
Average working days	23	Lb. used per day	27.56	Monthly average total cleanings	214.29
Cycles per month	20,700	Lb. used per month	633.94	Media Used per Cleaning (Lb.)	7.7175
Average cavities per mold	16	Unit Price USD (Lb.)	\$6.50	Lb. used per month	1653.75
Estimated total produced parts	331,200	Monthly Glo-Mold Cost (USD)	\$4,120.59	Unit Price	\$0.25
Man Hour Calculation		Glo-Mold Cleaning		Monthly Blast Material Cost	
Average Monthly Salary (MXP)	\$7,000.00	a) Man Hour Material Preparation		Monthly Blast Material Cost	
Average Man Hour (MXP)	\$29.17	Hours for preparation per Cleaning	0.25	Current Cleaning Process	
Exchange Rate	\$19.50	Monthly Man Hours of Preparation	143.75	a) Cleaning Man Hours	
Man Hour Cost (USD)	\$1.50	Man Hour Cost	\$1.50	Cleans per Month	214.29
Total Monthly Glo-Mold Cost (USD)	\$29,463.10	Monthly Man Hour Cost	\$215.01	Mold Cleaning Hours	5.00
Current Average Cost of Cleaning (USD) \$43,901.92		b) Machine dead time		Monthly Man Hours	1,071.43
Monthly Savings (USD) \$14,438.82		Mold Cleaning hours	0.25	Man Hour Cost	\$1.50
		Machine dead time	143.75	Monthly Man Hour Cost	\$1,602.56
		Dead time hour cost	\$2.00	b) Machine dead time	
		Monthly Machine Dead Time Cost	\$287.50	Mold Cleaning hours	5.00
		c) Scrap parts		Monthly Machine dead time (Hrs.)	1,071.43
		Scrap average rate	0.50%	Dead time hour cost	\$2.00
		Monthly Scrap Parts	1,656.0	Monthly Machine Dead Time Cost	\$2,142.86
		Average Part Cost	\$15.00	c) Scrap parts	
		Monthly Scrap Cost	\$24,840.10	Scrap average rate	0.80%
		Monthly Glo-Mold Cleaning Cost	\$29,463.10	Monthly Scrap Parts	2,649.6
				Average Part Cost	\$15.00
				Monthly Scrap Cost	\$39,744.00
				Current Monthly Mold Cleaning Cost	\$43,901.92