MOMENTIVE

EMEAI - EUROPE, MIDDLE EAST, AFRICA & INDIA

RELEASE SOLUTIONS FOR MOLDING CHALLENGES

SILICONE-BASED EMULSIONS, RESINS AND COPOLYMERS

IT'S NEVER BEEN SO EASY TO LET GO

We know how crucial release agents are to the efficient, high-quality release of molded parts.

They provide the critical barrier between a mold and other materials, promoting easy removal of the cured part from the mold. But if the separation doesn't go smoothly, it's not only frustrating, but can be a profit killer for your customers.

Our silicone-based materials provide excellent release for thermoplastics, thermoset, rubber and composites, along with the added benefits of heat stability and good wetting and spreading. Low-VOC and water-based formulations are available.



MOLD RELEASE PRODUCT PORTFOLIO

Product Name & Functionality	Active Content %	Product Description	Active Ingredient	Description/Application	Applications				Technology Feature					Processing Feature				
					All purpose release	Rubber release	Thermoset release	Film Former	Painting or bonding	Multi release / durability	Curable	Heat resistance	Gloss/ shine enhancement	Low build up	Easy cleaning	Water dilutable	Lower temp. drying	Low cyclics
mulsions						1								1				
Emulsion H	35	PDMS non-ionic Emulsion	PDMS 100cs	Rubber extrusion, lubricity, glass and ceramics release; scratch prevention Rubber extrusion, lubricity, slip improvement on plastics; compatible with	•								•					
Emulsion D	35	PDMS anionic Emulsion	PDMS 100cs	acrylics, PC; high gloss	•								•					
LE 45 emulsion	38	PDMS non-ionic Emulsion	PDMS 350cs	Rubber and latex release, reduced tackiness; low D4, D5	•	•							•			•		•
Formasil 45	35	PDMS non-ionic Emulsion	PDMS 350 cSt	Food contact, Kosher, spray lubricant for glass forming mold	•								•					
Indusil SI-V emulsion	20	PDMS non-ionic Emulsion	PDMS 1.000cs	Contains ethanol, no biocide, with crystaline particles	•								•		•			
Emulsion Z	35	PDMS non-ionic Emulsion	PDMS 1000cs	Contains ethanol, no biocide, high active content	•	•	•					•	•			•		
Indusil SI-EM silicone YMR 7212	35 35	PDMS anionic Emulsion EP anionic Emulsion	PDMS blend 100cs + 30.000cs Silanol, 100K cst	Rubber release with a pleasant feel and high gloss	•	•	•				•	•	•			•		
SM 2112 NPF	35	EP anionic Emulsion EP cationic Emulsion	Branched Silanol	Lubricity, easy release, High-temperature stability Bladder and Tire release. Freeze thaw stable														
Magnasoft 2059	35	EP cataionic Emulsion	Branched Amino-Silanol	Film forming, semi permanent	•		•	•		•	•	-				•		
Magnasoft SRS	30	ABn-Copolymer	ABn-Copolymer	No build up, compatible with organics	•	•	•		•	•					•			
Indusil RNX	33	Non-ionic Microemulsion	Pendant Amido Carboxy Siloxane	Reactive microemulsion	•			•								•		
Silblock WMS	40	Non-ionic Emulsion with hydrocarbon solvent	Silane Emulsion	Hybrid emulsion, fast drying, film former	•	•	•	•	•	•		•				•	•	
TSM 6362	57	Non-ionic, Alkyl - Aryl Fluid Emulsion	Emulsion of XF42-334	Release agent for molded parts to be painted or metalized	•	•	•	•	•	•		•			•	•		
TP 3207 emulsion	50	H-functional PDMS emulsion, non-ionic	Hydrogen siloxane	Reactive Si-H emulsion	•			•										
Indusil AX-E	50	Alkyl-Amino PDMS Emulsion	Alkyl-Amino PDMS	High gloss, low amine content, high wetting on substrates	•	•	•	•	•	•		•				•		
Resins		,				1	1		1			1		1				
Indusil SQX 1	100	MQ resin	MQ resin	Powder, PU release. Multifunctional	•		•	•				•		•				
Indusil SQX 4	100	T-Resin	T-Resin	Film former, excellent release	•		•	•		•		•	-	•	•			
indusil SQX 5	60	MQ resin in toluene	MQ resin	PU release. Multifunctional. Quick drying	•		•	•		•					•		•	
Indusil SQX 8	23	MQ in 350 cSt PDMS	MQ resin	Multiple release for thermosets, heat stable noncarbonizing film, low build up	•	•	•	•		•		•	•	•	•			
Indusil SQX 9	45	MQ in D5	MQ resin	Multiple release for thermosets, heat stable noncarbonizing film, low build up	•	•	•	•		•		•	•	•	•		•	
Indusil SQX 10	35	MQ in 50 cSt PDMS	MQ resin	High MW, reactive, film forming	•	•	•	•		•		•	•	•	•		•	
Amino PDMS																		
Magnasoft Plus	100	Amino PDMS	High visc. Amino PDMS	Low amine content, high affinity to many substrates	•	•	•	•		•		•	•		•			
Magnasoft Fluid	100	Amino PDMS	Low visc. Amino PDMS	High gloss, low amine content, high wetting on substrates	•	•	•	•		•			•	•	•			
SF 1705	50	Reactive Amino PDMS in white spirit	High MW branched aminosilanol	Reactive, semi permanent release. High Gloss, low amine content. PU release	•	•	•	•		•	•	•	•					
SF 1706	100	Reactive Amino PDMS	Low MW branched aminosilanol	Reactive, semi permanent release. High Gloss, high amine content. PU release	•	•	•	•		•	•	•	•					
Magnasoft DerMa NT	96	ABn-Copolymer	Silicone Quat	High affinity to many substrates, emulsifiable	•	•	•	•		•	•		•					
Alkyl- / Alkyl-Aryl-PDMS	5																	
XF 42-334	100	Alkyl Aryl fluid (short chain alkyl)	Alkyl Aryl fluid	Lubrication, high temp. resistant, re-paintable, organic compatible	•	•	•	•	•	•		•			•			
SF 1642	100	Silicone Wax	Alkyl PDMS fluid	Compatible with both organics and silicone	•			•	•									
GPW 2233	100	Alkyl PDMS fluid (long chain alkyl)	Alkyl PDMS fluid	High Lubrication, temp. resistant, re-paintable, organic compatible	•	•	•	•	•	•		•			•			
Silicone Surfactants		(iong chain aixy)																
Silwet 7280	100	Trisiloxane	Trisiloxane	Wetting, levelling					•					•	•	•		
Silwet L-7608	100	Trisiloxane	Trisiloxane	Wetting, levelling, reactive					•					•	•	•		
Silwet 77 additive	100	Trisiloxane, end-capped	Trisiloxane, end-capped	Wetting, leveling					•					•	•	•		
Silwet 7604	100	Silione polyether	Silione polyether	Antifog, Meet FDA 21 CFR 177.1520										•	•	•		
Silwet L7657	100	Silione polyether	Silione polyether	Antifog, Meet FDA 21 CFR 177.1520										•	•	•		
Indusil ESS 110	100	Alkyl-trisiloxane	Alkyl-trisiloxane	Wetting, levelling, special solvent properties, no Cyclics					•					•	•			
Indusil ESS 010	100	Alkyl-trisiloxane	Alkyl-trisiloxane	Wetting, levelling, special solvent properties, no Cyclics					•					•	•			1
Wax SF 1642 wax	100	Silicone wax	Silicone wax	Compatible with both organics and silicone	•													
Carboxy PDMS	100	Silicone wax	Shicone wax	Compatible with both organics and silicone	•			•	•									
Magnasoft 800L fluid	100	Carboxy PDMS	Terminal carboxy PDMS	Reactive, strong adhesion	•			•										
Carbinol Fluid		ourboxy i Dino																
OF OH-702 E	100	Carbinol PDMS	Carbinol PDMS	Reactive, crosslinker	•			•										
Resin Particles																		
Magnasoft 830 TS resin	100	T-resin	Silicone micropearls	Surface modifier, handfeel, reduce friction	•				•									
Silane																		
A-137	100	Alkyl-triethoxysilane	Alkyl-triethoxysilane	Curable, no impact on painting/bonding.	•	•	•			•	•	•		•				•
A-162	100	Methyl-alkoxysilane	Methyl-triethoxysilane	Adesion promoter between organic and inorganic surfaces	•	•	•			•	•	•		•				•
Fluoro Silicone Resin	50																	
FR-5 / FR-10	50	Fluorosilicone in PDMS	Fluorosilicone T-Resin	Hydro and oleophob properties film forming					 									
Special Silicone																		
YF-33-1000	100	Heat stabilized PDMS	PDMS-1000 cst	High heat resistance													l I	

TAKE THE PAIN OUT OF PART AND MOLD SEPARATION

Our silicone-based emulsions, resins and copolymers can help you develop release agents that take the pain out of part and mold separation.



KEY FEATURES & TYPICAL BENEFITS

- Complete coverage
- Minimal reapplication
- Easy release
- Good wetting and spreading
- Nominal residue and minimal buildup on molds
- Excellent resistance to heat and chemicals
- Low surface tension
- Low-VOC and water-based formulations are available

POTENTIAL APPLICATIONS

- Composite
- Epoxy resin
- Polyester
- Polyurethane
- Rubber

Help Your Customers Escape the Torment of a Sticky Cast or Mold

Developing high performance mold release agents that provide consistent, easy release for even the most intricate molded parts is made easier with the addition of our silicone-based emulsions, resins and copolymers.

Break Free with Advanced Technology

We can help you find the right balance between coverage, durability and performance so that you can create release agents that streamline molding operations. And, with our extensive knowledge of silicones, we're developing cleaner, safer-to-handle products that help you meet regulatory requirements.



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