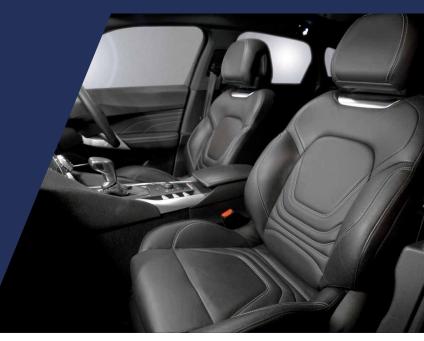


AMERICAS

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 RELASE PRODUCT PORTFOLIO

	Active Content %	Product Description	Active Ingredient	Description/Application	Applications			Technology Feature					Processing Feature					
Product Name & Functionality					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																		
M 2128 NPF	38	PDMS non-ionic Emulsion	PDMS 350 cSt	Spray lubricant for glass forming mold, low cyclics	•	•							•					
M 2163 NPF	62	PDMS non-ionic Emulsion	PDMS 350 cSt	Rubber and latex release, reduce tackiness - Low D4, D5	•	•							•			•		
M 2140 NPF	52	PDMS non-ionic Emulsion	PDMS 10,000 cSt	Rubber and bladder release, foundry core moulds	•	•						•	•					
SM 2169	62	PDMS non-ionic Emulsion	PDMS 60,000 cSt	Excellent release on Plastic and Rubber	•	•	•					•	•					
Formasil 45	35	PDMS non-ionic Emulsion	PDMS 350 cSt	Food contact, Kosher, spray lubricant for glass forming mold	•								•					
YMR 7212	35	EP anionic Emulsion	Silanol, 100K cst	Lubricity, easy release, High-temperature stability	•	•	•	•			•	•	•			•		
SM 2112 NPF	35	EP cationic Emulsion	Branched Silanol	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	•			•								•		
Indusil SQX 3	35	Silicone resin Emulsion	Alkyl T-resin	High MW, reactive, film forming	•	•	•	•	•	•		•				•		•
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	•	•	•	•	•	•		•			•	•		
Indusil AX-E		Alkyl-Amino PDMS Emulsion	Alkyl-Amino PDMS	High gloss, low amine content, high wetting on substrates	•	•	•	•	•	•		•				•		
Resins																		
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																		(The second sec
Magnasoft Plus	100	Amino PDMS	High visc. Amino PDMS	Low amine content, high affinity to many substrates	•	•	•	•		•		•	•		•			1
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																		Í
XF 42-334	100	Alkyl Aryl fluid (short chain alkyl)	Alkyl Aryl fluid	Lubrication, high temp. resistant, re-paintable, organic compatible	•	•	•	•	•	•		•			•			Ì
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																		i and a state
Silwet 7280	100	Trisiloxane	Trisiloxane	Wetting, levelling					•					•	•	•		1
Silwet L-7608	100	Trisiloxane	Trisiloxane	Wetting, levelling, reactive					•					•	•	•		
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					•					•	•			
Silane																		
A-137	100	Alkyl-triethoxysilane	Alkyl-triethoxysilane	Curable, no impact on painting/bonding.	•	•	•			•	•	•		•				•
	100	Methyl-alkoxysilane	Methyl-triethoxysilane	Adesion promoter between organic and inorganic surfaces	•	•	•			•	•	•		•				•
A-162																		
A-162 Fluoro Silicone Resin FR-5 / FR-10	50	Fluorosilicone in PDMS	Fluorosilicone T-Resin	Hydro and oleophob properties film forming														
Fluoro Silicone Resin	50	Fluorosilicone in PDMS	Fluorosilicone T-Resin	Hydro and oleophob properties film forming														

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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