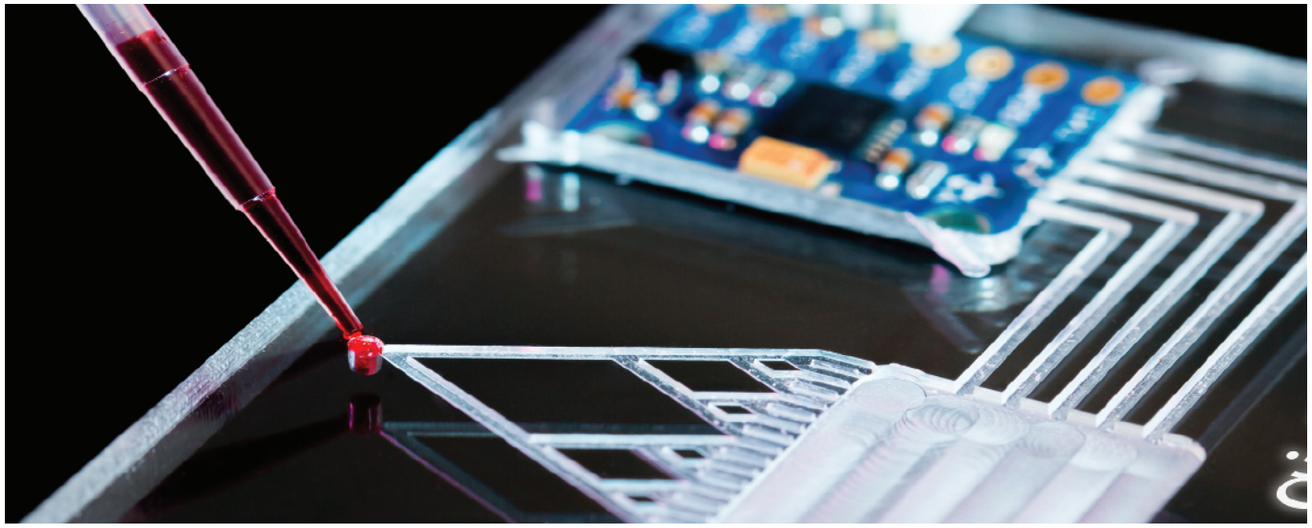

Gelest

Enabling Your Technology

Performance Products

Gelest has developed custom optical, reprographic and gel formulations to address the increasing use of sensors, modules, and products in automotive, biological, and electronic applications.

Our newest product offerings include high temperature, thermally conductive and electrically conductive specialty products. Visit gelest.com to learn more about our product lines.

Reprographic & Microfluidic Silicone Elastomers

Product Code	Mix Ratio	Color Mixed	Tensile Str (MPa)	Elongation (%)	Durometer (A)	Feature	Viscosity Mixed (cP)	Specific Gravity	Cure t/temp	Potlife (hr)
Gelest® RG 01	10:1	Clear	5.5-7.0	80-100	45-60	Standard	3500-4000	1.04	4h/80°C	12
Gelest® RG 02	10:1	Translucent	2-4	80-100	35-45	Oleophilic	3000-4000	1.04	4h/80°C	12
Gelest® RG 03	10:1	Translucent	4-6	100-200	40-60	Hydrophilic	3000-4000	1.04	4h/80°C	12
Gelest® RG 04	10:1	Translucent	1.5-2.0	150-200	25-30	Oleophobic	30,000-35,000	1.36	4h/80°C	6
Gelest® RG 05	10:1	Clear	5.5-7.0	80-100	45-60	Low Volitales	3500-5000	1.04	4h/80°C	12
Gelest® cPDMS	10:1	Clear	6-7	100-200	40-50	Overcoatable	3500-4500	1.02	1h/80°C	4
Gelest® hPDMS	1:1	Clear	0.5-0.75	30-40	60-70	High Modulus	500-750	0.98	4h/80°C	4
Gelest® sPDMS	100:1	Clear	5.5-7.0	80-100	45-60	Spin-Coatable	1-2	0.71	4h/80°C	12
Gelest® TC01	1:1	Gray	4.14	125	66	Thermal Conductive	50,000	2.14	4h/100°C	16

High Elongation Silicone Elastomers

Product Code	Mix Ratio	Color Mixed	Tensile Str (MPa)	Elongation (%)	Durometer (A)	Feature	Viscosity Mixed (cP)	Specific Gravity	Cure t/temp	Potlife (hr)
Gelest® xPDMS	100:1	Translucent	6-7	4000-6000	10-15	Low Volitales	12,000-14,000	1.12	4h/80°C	24
Gelest® ExSil 50	100:1	Translucent	3	6000	5	Low Durometer	500-700	1.06	8h/100°C	24
Gelest® ExSil 100	100:1	Translucent	6-7	4000-6000	10-15	High Strength	12,000-14,000	1.12	4h/80°C	24
Gelest® TC02	100:1	Translucent	0.5	1200	30	Thermal Conductive	30,000	2.47	4h/80°C	10

Silicone Elastomers (1-Part)												
Product Code	**Cure Type**	**Color**	**Tensile Str (MPa)**	**Elongation (%)**	**Durometer (A)**	**Vol Resistivity**	**Visc. (cSt)**	**Skin Over Time**	**Flash Point**	**Specific Gravity**	**Solids**	**Cure t/temp**
Gelest Zipcone™ CE	Cond (acetone)		.34	40	30	1.00E+14	60-70	4-6		0.97	97%	6h/25°C
Gelest Zipcone™ CG	Cond (acetone)		> .76	> 100	25	3.00E+14	2500	5-6		1.03	100%	6h/25°C
Gelest Zipcone™ FA	Cond (acetic acid)		> .69	> 150	> 8		200-400	30-45	-11	1.05	48-52%	6h/25°C
Gelest Zipcone™ FN	Cond (amine)		> .34	> 150	> 5		100-150	15	0	0.81	32-35%	2h/25°C
Gelest Zipcone™ TC	Cond (oxime)	White	> 1.72	> 250	20-25		400-600	20	57	1.2	65%	120h/25°C
Gelest Zipcone™ TR	Condensation	White	> 1.72	> 250	25-30		500-700	20	57	1.54	70%	120/h25°C
Gelest Zipcone™ UA	UV	Clear	.69	1	> 60		40-180		> 65	1.1	100%	1min/25°C
Gelest Zipcone™ UE	UV	Clear					25-75		57	0.99	100%	1min/25°C

Silicone Gels								
Product Code	**Mix Ratio**	**Penetration**	**Cure Type**	**Color**	**Viscosity (cSt)**	**Specific Gravity**	**Cure t/temp (min/°C)**	**Cure t/temp (hr/°C)**
Gelest® Gel D200	10:1	150-250	Pt Addition	Clear	1000	0.97	30-60/115-120	48/25
Gelest® Gel D300	10:1	200-400	Pt Addition	Clear	350	0.97	30-60/115-120	48/25
Gelest® Gel P065	1:1	60-80	Pt Addition	Clear	700-800	0.99	30-60/115-120	48/25
Gelest® Gel F065	N/A (1-Part)	60-80	Pt Addition	Clear	1200-1500	1.27	20-30/100-150	

Silicone Elastomer Toolkit					
Product Code	**Form**	**Solids (wt%)**	**Flashpoint**	**Viscosity (cSt)**	**Specific Gravity**
UtenSil® Primer	Clear	5-10	-4°C	1.0-2.0	0.70
UtenSil® Wetting Agent	Clear	5-7	6°C	1.0-2.0	0.88
UtenSil® Cure Retarder	Clear		112°C	300-500	0.98

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