GE Advanced Materials, Silicones



RTV Product Linecard

RTV One Part Portfolio



Non Flowable	Flowable				
Cure Byproduct: Alkoxy					
RTV162	RTV160				
RTV167	SCM3404				
RTV524x	TSE397/TSE399				
TSE392	Addition Cure				
RTV522x	TSE3051/3053				
RTV142	ECC4865				
RTV133	TSE32xx				
IS52x	TSE326				
TSE394x	TSE328x				
XE11-B5320	SilCool* LTR329x				
Neutral Cure	e Chemistries				

RTV Two Part Portfolio



Product Key:			
Mil Spec	High Strength	Fast Cure	Thermal
Fuel / Oil Resistant	High Heat	Low Volatile	Flame Retardant
Gel	FDA / NSF	General Purpose	Self Bonding
	Low Temperature	Optically Clear	



GE Advanced Materials, Silicones

Mold Making Products

Typical Values

Addition Cure	Color	Viscosity, mixed (cps)	Specific Gravity Base / Catalyst	Pot Life (min)	Shore A 36 hrs	Tensile (psi)	Elongation %	Tear (ppi)
RTV662	Blue	120,000	1.28 / 1.05	300	68	1015	235	136
RTV664	Blue	120,000	1.28 / 1.05	180	62	933	245	122
RTV668	Blue	120,000	1.28 / 1.05	150	62	1041	240	100
RTV866	Green	42,000	1.21 / 100	150	50	1100	190	69
RTV868-D1	Blue	110,000	1.28 / 1.05	180	60	800	200	100
Condensation Cure	Color	Viscosity (cps)	Specific Gravity Base / Catalyst / Mixed	Pot Life (min)	Shore A 36 hrs	Tensile (psi)	Elongation %	Tear (ppi)
RTV400T	Trans	35,000	1.1 / 0.87	180	14	555	580	100
RTV4020 3 Catalysts	Pink/ Beige	18,000/ 22,000	1.26 / 0.97	60/15	10 - 18	400 - 450	350 - 600	110/120
RTV421	Pink	29,000	1.29 / 0.97 / 1.25	90	18	480	430	120
RTV426 1 Cat/3 ratios	Green	37,000- 32,000	1.10 / 1.05 / 1.11	258 - 76	(96 hrs) 22 - 31	447 - 546	321 - 257	114 - 137
RTV430 2 Catalysts	Pink / Light Blue	47,000	1.08 / 1.22 / 1.08 1.07 / 0.95 / 1.06	180/90	30	450/600	300/360	130/120
RTV7888-10 3 Catalysts	Pink / White	18,000/ 23,000	1.25 / 0.97 / 1.22 1.25 / 0.95 / 1.24 1.25 / 0.98 / 1.22	90/15	12/8	400/350	450	110/100
RTV7888-20 3 Catalysts	Pink / White	30,000/ 40,000	1.25 / 0.97 / 1.22 1.25 / 0.94 / 1.24 1.25 / 0.98 / 1.22	90/15	20/14	500/400	350/400	130/115

Silicone Liquid Elastomers (SLE) Product Overview

All Platinum Based, Addition Cure

Physical Property	SLE5100-D1	SLES300	SLE54O1	S1E5500	SLE5600	SLE5700-D1	SLE7000	SLE8000
Color	Clear	White	Translucent	White	Beige	Clear	Translucent	Clear
Blend Ratio	10:1	10:1	1:1	10:1	1:1	1:1	1:01	1:1
Viscosity, cps	60,000	22,500	25,000	79,000	122,500	20,000	200,000	320,000
Shore A	40	37	48	27	58	40	34	40
Elongation, %	300	185	200	280	320	200	375	450
Tensile, psi	600	200	800	190	875	600	550	750
Specific Gravity	1.02	1.16	1.01	1.27	1.01	1.01	1.06	1.08
Work Life, hrs	48	48	8	48	48	48	8	24

THE MATERIALS, PRODUCTS AND SERVICES OF THE BUSINESSES MAKING UP THE GE, ADVANCED MATERIALS UNIT OF GENERAL ELECTRIC COMPANY, ITS SUBSIDIARIES AND AFFILIATES, ARE SOLD SUBJECT TO GE ADVANCED MATERIALS' STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, GE, ADVANCED MATERIALS MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (II) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (III) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING GE, ADVANCED MATERIALS' PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE: EXCEPT AS PROVIDED IN GE, ADVANCED MATERIALS' STANDARD CONDITIONS OF SALE, GE, ADVANCED MATERIALS AND ITS REPRESENTA-TIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN. YELL IN ON CHEM THE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN. SUBJUIRIS, or services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating GE, Advanced Materials' products, materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating GE, Advanced Materials' andurcis, materials, services, recommendations of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by GE, Advanced Materials', andarcials' disclaimer, unless any such modification is specifically agreed to in a writing signed by GE, Advanced Materials', product, service or design is intended, or should be construed, to grant any license under any patent or other intellectua

