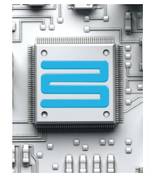
NOVAGARD®	紫外光固化硅胶 UV-Cure Silicone								
	800-505	800-505 FC	800-505 FCLF	800-506 FC	800-510	800-510 FC	800-515	800-515 FC	800-610
基本属性 Essential Attributes	可喷雾状 Sprayable								
	物理性质 Physical properties								
外观 Appearance	透明 Clear	透明 Clear	透明 Clear	透明 Clear	透明 Clear	透明 Clear	透明 Clear	透明 Clear	透明 Clear
化学类型 Chemistry type	UV Alkoxy Dual Cure								UV Only
粘度 Viscosity (cPs)	700	700	800	1,000	1,000	1,000	1,500	1,500	630
阴影固化 Shadow Area Cure	Yes	Yes, Fast Cure	Yes, Fast Cure	Yes, Fast Cure	Yes	Yes, Fast Cure	Yes	Yes, Fast Cure	Yes
UV固化深度 UV Cure Depth (mm)	1.0	1.0	0.5	5.0	1.0	1.0	1.0	1.0	-
抗拉强度 Tensile Strength	65 psi	135 psi	50 psi	95 psi	65 psi	114 psi	61 psi	60 psi	73 psi
伸长率 Elongation	60%	110%	100%	250%	165%	111%	200%	108%	270%
硬度 Hardness (Shore A)	15	25	30	15	10	19	10	20	21
比重 Specific Gravity	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	0.99
				电子性能 Electrical properties					
介电强度 Dielectric Strength	12.7 kV/mm 322 V/mil	12.7 kV/mm 322 V/mil	12.7 kV/mm 322 V/mil	13.7 kV/mm 348 V/mil	12.7 kV/mm 322 V/mil	12.7 kV/mm 322 V/mil	12.7 kV/mm 322 V/mil	12.7 kV/mm 322 V/mil	15 kV/mm 381 V/mil
介电常数 at 100 Hz Dielectric Strength	3.08	2.18	2.44	2.00	3.26	2.06	3.08	2.48	3.43
损耗因子 at 100 Hz Dissipation Factor	$1.40x10^{-3}$	$3.19x10^{-4}$	$3.31x10^{-4}$	$1.65x10^{-3}$	$9.00x10^{-4}$	$2.06x10^{-4}$	$1.20x10^{-3}$	$1.22x10^{-4}$	$6.00x10^{-4}$
体积电阻率 ASTM D257 Volume Resistivity	$5.50x10^{12}$	$2.15x10^{10}$	$2.40x10^{10}$	$2.66x10^{13}$	$3.43x10^{12}$	$2.50x10^{10}$	$6.53x10^{12}$	$2.26x10^{10}$	$5.79x10^{12}$

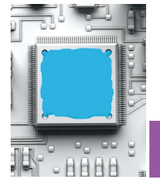
NOVAGARD®	紫外光固化硅胶 UV-Cure Silicone					
	800-750	800-230	800-235	800-240	800-751 TFC	800-754
基本属性 Essential Attributes	可流平状 Self-Leveling					
	物理性质 Physical properties					
外观 Appearance	透明，半自流平 Clear, Semi-Flowable	半透明，自流平 Translucent, Self-Leveling	半透明，半自流平 Translucent, Semi-Flowable	半透明，半自流平 Translucent, Semi-Flowable	半透明，半自流平 Translucent, Semi-Flowable	透明，半自流平 Clear, Semi-Flowable
化学类型 Chemistry type	UV Alkoxy Dual Cure	UV Only	UV Only	UV Only	UV Alkoxy Dual Cure	UV Only
粘度 Viscosity (cPs)	50,000	25,000	79,000	60,000	35,000	50,000
阴影固化 Shadow Area Cure	Yes	-	-	-	Yes, Fast Cure	-
UV固化深度 UV Cure Depth (mm)	1.0	-	-	-	5.0	14.0
抗拉强度 Tensile Strength	50 psi	85 psi	148 psi	228 psi	30 psi	-
伸长率 Elongation	255%	420%	610%	490%	500%	-
硬度 Hardness (Shore A)	-	18	18	29	10	-
比重 Specific Gravity	1.02	1.02	1.06	1.08	0.98	0.96
	电子性能 Electrical properties					
介电强度 Dielectric Strength	11.8 kV/mm 300 V/mil	13.0 kV/mm 329 V/mil	16.3 kV/mm 414 V/mil	15.8 kV/mm 400 V/mil	13.78 kV/mm 350 V/mil	8.34 kV/mm 212 V/mil
介电常数 at 100 Hz Dielectric Strength	2.74	3.42	3.36	3.78	2.10	2.08
损耗因子 at 100 Hz Dissipation Factor	$2.90x10^{-3}$	$4.00x10^{-4}$	$6.00x10^{-4}$	$1.20x10^{-3}$	$8.35x10^{-4}$	$3.80x10^{-3}$
体积电阻率 ASTM D257 Volume Resistivity	$5.35x10^{11}$	$1.14x10^{12}$	$9.16x10^{12}$	$1.93x10^{13}$	$3.94x10^{13}$	$3.23x10^{13}$

NOVAGARD®	紫外光固化硅胶 UV-Cure Silicone							
	800-520	800-520 FC	800-550	800-551 FC	800-245	800-620	800-225	800-260
基本属性 Essential Attributes	可流动状 Flowable							
	物理性质 Physical properties							
外观 Appearance	透明 Clear	透明 Clear	透明 Clear	透明 Clear	半透明 Translucent	透明 Clear	半透明 Translucent	半透明 Translucent
化学类型 Chemistry type	UV Alkoxy Dual Cure				UV Only	UV Only	UV Oxime Dual Cure	UV Oxime Dual Cure
粘度 Viscosity (cPs)	2,000	2,000	5,000	6,000	4,400	18,000	2,200	2,200
阴影固化 Shadow Area Cure	Yes	Yes, Fast Cure	Yes	Yes, Fast Cure	-	-	Yes	Yes
UV固化深度 UV Cure Depth (mm)	1.0	1.0	1.0	5.0	-	-	-	-
抗拉强度 Tensile Strength	65 psi	75 psi	57 psi	110 psi	65 psi	24 psi	87 psi	114 psi
伸长率 Elongation	175%	140%	122%	250%	180%	260%	270%	380%
硬度 Hardness (Shore A)	15	20	10	5	22	5	17	17
比重 Specific Gravity	1.02	1.02	1.02	0.98	1.00	0.97	0.98	0.98
				电子性能 Electrical properties				
介电强度 Dielectric Strength	12.7 kV/mm 322 V/mil	12.7 kV/mm 322 V/mil	12.47 kV/mm 316 V/mil	12.47 kV/mm 316 V/mil	14.46 kV/mm 367 V/mil	14.38 kV/mm 365 V/mil	14.0 kV/mm 356 V/mil	15.2 kV/mm 385 V/mil
介电常数 at 100 Hz Dielectric Strength	3.01	2.31	2.84	1.69	3.45	3.35	3.23	3.28
损耗因子 at 100 Hz Dissipation Factor	$1.00x10^{-3}$	$3.19x10^{-4}$	$1.30x10^{-3}$	$1.567x10^{-3}$	$3.00x10^{-4}$	$1.20x10^{-3}$	$3.00x10^{-4}$	$3.20x10^{-3}$
体积电阻率 ASTM D257 Volume Resistivity	$3.19x10^{12}$	$2.67x10^{10}$	$1.98x10^{12}$	$3.31x10^{13}$	$5.07x10^{12}$	$1.66x10^{12}$	$4.58x10^{12}$	$5.02x10^{12}$

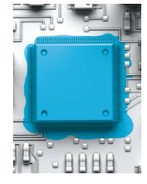
NOVAGARD®	紫外光固化硅胶 UV-Cure Silicone			
	800-750T	800-750TFC	800-400	800-755
基本属性 Essential Attributes	膏状 Paste			凝胶 Gel
	物理性质 Physical properties			
外观 Appearance	半透明 Translucent	半透明 Translucent	半透明 Translucent	透明，半自流平 Clear, Semi-Flowable
化学类型 Chemistry type	UV Alkoxy Dual Cure	UV Alkoxy Dual Cure	UV Only	UV Only
粘度 Viscosity (cPs)	50,000 (Thixotropic)	50,000 (Thixotropic)	360,000	55,000
阴影固化 Shadow Area Cure	Yes	Yes, Fast Cure	-	-
UV固化深度 UV Cure Depth (mm)	1.0	1.0	-	14.0
抗拉强度 Tensile Strength	132 psi	102 psi	377 psi	-
伸长率 Elongation	386%	250%	1200%	-
硬度 Hardness (Shore A)	16	20	20	20(Shore 000)
比重 Specific Gravity	1.02	1.02	1.11	0.97
	电子性能 Electrical properties			
介电强度 Dielectric Strength	12.7 kV/mm 322 V/mil	12.7 kV/mm 322 V/mil	14.9 kV/mm 378 V/mil	-
介电常数 at 100 Hz Dielectric Strength	3.69	2.34	3.34	-
损耗因子 at 100 Hz Dissipation Factor	$1.50x10^{-3}$	$6.16x10^{-4}$	$1.10x10^{-3}$	-
体积电阻率 ASTM D257 Volume Resistivity	$9.20x10^{12}$	$2.50x10^{10}$	$3.01x10^{13}$	-



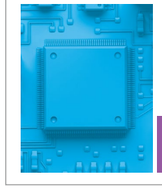
不流动 膏状
Non-Flowing Paste



高粘度 半自流平
High Viscosity Semi-Flowable



中等粘度 自流平
Medium Viscosity Flowable



低粘度 可喷雾
Low Viscosity Sprayable