

# NOVAGARD® SILICONES

# Novaflex® M Series Specification Data

## DESCRIPTION

The products of the Novaflex M Series are non-corrosive, single-component, oxime cured silicone sealants and/or adhesives.

## APPLICATIONS

These products are general-purpose compounds, which are used most frequently within the window and door manufacturing industry as glazings and structural back-beddings. The M Series of products are single-component, high-solids, low-odor materials, which cure to a low modulus, flexible and durable rubber-like solids. Novaflex products will develop primerless adhesion to most common construction substrates, and the neutral cure is compatible with most materials.

## INSTALLATION

As with all single component materials, worklife and cure times of the materials listed on this data sheet are dependent upon environmental conditions such as temperature, humidity and application thickness. Adhesion should be checked on small samples prior to full-scale production.

## AVAILABILITY

Novaflex products are available in 10.3 oz. cartridges, 5-gallon pails, and 55-gallon drums.

## STORAGE

Novaflex products (RV Series) have a shelf life of eighteen (18) months from the date of manufacture when stored in the original, unopened container at, or below, 75°F.

## TYPE I - Class 35 PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Colored paste*
Viscosity	Brookfield #7 @ 10rpm	3500 - 7000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 – 80 gm/min
Skin Over Time	3/8" @ 50%RH & 77 F	5-10 minutes
Through Cure	3/8" @ 50%RH & 77 F	24 hours

## TYPE II - Class 50 PRODUCT SPECIFICATIONS

Physical Property	Test Method	Performance Range
Appearance		Colored paste*
Viscosity	Brookfield #7 @ 10rpm	4500 - 8000 poises
Extrusion Rate	1/8" Orifice @ 50 psi	30 – 80 gm/min
Skin Over Time	3/8" @ 50%RH & 77 F	5-10 minutes
Through Cure	3/8" @ 50%RH & 77 F	24 hours

## PRECAUTIONS

Consult and obey all applicable local, state and federal regulations for disposal of solvent and silicone waste. For additional information consult product M.S.D.S. Not recommended for surfaces that are to be painted.

## ADDITIONAL INFORMATION

Novagard believes that the information provided is a true and accurate description of the typical characteristics of the aforementioned product; however, it is the responsibility of the individual user to thoroughly test the product in their specific application to determine performance, efficacy and safety.

## TYPICAL PROPERTIES\*

Physical Property	Test Method	Type I	Type II
Specific Gravity		1.00 – 1.05	1.15 – 1.25
Tensile Strength	ASTM D412	140-200 psi	170-220 psi
Elongation	ASTM D412	500-650%	800-1000%
Tear Resistance	ASTM D 624	30-35 pli	
Shore Hardness	ASTM D 2240	20 ± 5	25 ± 5
Service Temperature		-40°C – 205°C (-40°F – 400°F)	
Joint Sealant Designation	ASTM C920	Type S Grade NS Class 35/50 see page 2 Use NT, M, G, A, O	

\*The values outlined reflect testing that was conducted on laboratory prepared specimens, actual results may vary. The information provided in the above table is not intended for use in preparing specifications. Please consult manufacturer for additional information.

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Effective Date  
02-01-2017



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## Novaflex® M Series Type Listing

### Type I – Unfilled Class 35

M129  
M137  
M150  
M151  
M154  
M157  
M162  
M164  
M166  
M170  
M175  
M176  
M179  
M180  
M182  
M184  
M185  
M186  
M187  
M192  
M193  
M195  
M196  
M3205  
M3250  
M3844  
M3880  
M3904  
M3907  
M4103

### Type II - Filled Class 50

M100	M145	M3244	M3437	M3711
M101	M146	M3253	M3440	M3720
M104	M147	M3260	M3444	M3723
M105	M148	M3265	M3447	M3725
M106	M149	M3269	M3449	M3727
M107	M155	M3270	M3455	M3733
M110	M161	M3277	M3461	M3739
M111	M163	M3280	M3465	M3763
M114	M167	M3281	M3473	M3765
M115	M168	M3285	M3475	M3767
M117	M169	M3301	M3480	M3770
M120	M171	M3315	M3501	M3796
M121	M172	M3321	M3502	M3801
M122	M173	M3322	M3505	M3807
M123	M174	M3324	M3513	M3818
M126	M177	M3329	M3514	M3819
M128	M178	M3333	M3515	M3821
M130	M181	M3344	M3522	M3823
M131	M183	M3345	M3528	M3827
M132	M191	M3380	M3535	M3839
M133	M194	M3385	M3551	M3912
M134	M197	M3406	M3565	M3931
M135	M198	M3409	M3585	M3933
M138	M199	M3410	M3595	M3935
M139	M3004	M3412	M3627	M3961
M140	M3210	M3413	M3680	
M141	M3211	M3420	M3702	
M142	M3217	M3425	M3705	
M143	M3230	M3429	M3706	
M144	M3240	M3435	M3709	

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