

3M™ Adhesive Sealants



292

Proven performance in demanding applications

Product	Description	Tensile Strength psi (MPa)	Stress at 100% Strain psi (MPa)	Elongation (%)	Skin Time (min)	Hardness (Shore A)	Color (Dry)	Application Method	Typical Handling Strength	Cure Rate (mm/24 hr)	Service Temp. Range °F (°C)
3M™ Polyurethane Adhesive Sealants (UV stable, Paintable once skin forms, Multi-purpose)											
525	All-around sealing; very flexible, excellent for concrete.	300 (2.1)	75 (0.5)	>800	90–150	25	Gray	Bead	N/A	3	-22 to 176 (-30 to 80)
540	Multi-purpose sealing.	350 (2.4)	90 (0.6)	>700	60–90	40	White, Gray, Black	Bead	24 hr	3	-40 to 194 (-40 to 90)
550FC	Multi-purpose adhesive sealant.	375 (2.6)	150 (1.0)	>500	50–90	45	White, Gray, Black	Bead	24 hr	4	-40 to 194 (-40 to 90)
550FC + AC63	Two component system for accelerated cure of 550.	275 (1.9)	125 (0.9)	>500	20	45	White, Gray, Black	Bead	20 min full cure	20 min	-40 to 194 (-40 to 90)
551	Properties similar to 550FC with longer open time.	450 (3.1)	200 (1.4)	>600	120–180	45	White	Bead	24 hr	4	-40 to 194 (-40 to 90)
560	High strength adhesive sealant.	380 (2.6)	200 (1.4)	>300	50–60	55	White, Gray, Black	Bead	24 hr	4	-40 to 194 (-40 to 90)
560 + AC63	Two component system for accelerated cure of 560.	350 (2.4)	140 (0.9)	>500	40	50	White, Gray, Black	Bead	3 hr	<24 hr full cure	-40 to 194 (-40 to 90)
595	Polyurethane windshield and window bonding.	1250 (8.6)	470 (3.2)	>400	20–30	60–65	Black	Extruded	1 hr	>3	-40 to 212 (-40 to 100)
3M™ Silane Modified Polymer (SMP) Adhesive Sealants (Excellent UV performance, Can be painted immediately, Isocyanate-free)											
730UV	Clear, cosmetic sealing with excellent UV resistance.	300 (2.1)	120 (0.8)	>200	25–30	30	Clear	Bead	24 hr	3.5	-40 to 194 (-40 to 90)
740UV	Multi-purpose sealing; excellent UV resistance, low VOC.	180 (1.2)	168 (1.2)	130	40–60	30	White, Gray, Black	Bead	24 hr	3.5	-40 to 194 (-40 to 90)
760UV	Multi-purpose bonding; excellent UV resistance, low VOC.	440 (3.0)	280 (1.9)	180	10–30	55	White, Gray, Black	Bead	24 hr	3.5	-40 to 212 (-40 to 100)

Product	Description	Tensile Strength psi (MPa)	Stress at 100% Strain psi (MPa)	Elongation (%)	Skin Time (min)	Hardness (Shore A)	Color (Dry)	Application Method	Typical Handling Strength	Cure Rate (mm/24 hr)	Service Temp. Range °F (°C)
3M™ Weatherban™ Sealants											
5354	High tack butyl tape for sealing; easy to compress, resists cold flow.	N/A	N/A	N/A	N/A	60	Black	Tape	N/A	N/A	N/A
PF5422	Thread reinforced butyl tape. Repositionable without clean up. Weather resistant.	125 (0.9)	25 (0.2)	400	30	N/A	Black	Tape	N/A	N/A	N/A
PF5423	Non-reinforced, thinner version of PF5422.	20 (0.2)	20 (0.2)	2700	30	N/A	Black	Tape	N/A	N/A	N/A
3M™ Specialty Sealant and Adhesive Products											
800	Solvent-based rubber dries to flexible seal. Solvent resistant.	100 (0.7)	70 (0.5)	1200	10	N/A	Red-Brown	Bead	24 hr	0.8	-65 to 200 (-54 to 93)
606	Weatherban™ Acrylic Sealant; Multipurpose indoor and outdoor sealing.	260 (1.8)	153 (1.0)	146	30	60	White	Bead	N/A	1.5	-28 to 180 (-33 to 82)
2084	Scotch-Seal™ solvent-based rubber industrial sealant. Metal sealant; aluminum color. Oil and fuel resistant.	700 (4.8)	475 (3.3)	800	5	30	Aluminum	Bead	24 hr	0.7	-65 to 200 (-54 to 93)
5010	Moisture-curing polyurethane. Excellent wood bonder.	275 (1.9)	N/A	N/A	3–5	N/A	Cream	Bead	24 hr	N/A	-22 to 212 (-30 to 100)