

MASTER BOND ANAEROBIC APPLICATION SELECTOR GUIDE

Anaerobic Systems for Retaining & Sealing Bolts, Nuts, Screws, Studs, Bearings, Bushings, Seals, Keys & Splines.

INDUSTRIAL GRADES

Master Bond Grade	Locking Torque 3/8" Bolts, In - #'s	Viscosity CP	Color Code	Cure Time	Typical Gap Filled	Service Temp Range, °F	Applications
GP2	130	20,000+ thixotropic	Red	greater than 2 hours	0.020"	-65 to +350	"no drip"; strong; locking, bonding and sealing; seal vertical flanges.
GP22	55	20,000+ thixotropic	Red	greater than 2 hours	0.020"	-65 to +350	"no drip"; medium strength; locking, bonding and sealing; pipe sealant.
GP222	30	20,000+ thixotropic	Red	greater than 2 hours	0.020"	-65 to +350	"no drip"; for quick disassembly; for locking, bonding and sealing.
GP122	40	900	Purple	greater than 2 hours	0.010"	-65 to +350	mild strength; locking, bonding and sealing; for ready disassembly.
GP144	80	1,100	Blue	less than 1 hours	0.012"	-65 to +350	medium strength; locking, bonding and sealing; retaining bearings, bushings.
GP166	190	1,500	Red	1 - 2 hours	0.012"	-65 to +350	high strength; locking, bonding and sealing; retaining bearings, seals, bushings
GP555	210	700	Red	1 - 2 hours	0.010"	-65 to +350	locking and retaining studs, nuts, screws; sleeves, bushings and cylindrical parts retained.
GP575	220	7,000	Red	1 - 2 hours	0.015"	-65 to +350	high strength cures for larger clearances; seal flanged assemblies.
GP595	245	20	Green	less than 1 hours	0.005"	-65 to +350	very fast high strength cures, wicking grade, also a weld sealant.
GP666	284	125	Green	less than 1 hours	0.005"	-65 to +350	retaining compound; locking, sealing and bonding assemblies.
GP55	210	550	Green	greater than 2 hours	0.010"	-65 to +350	retaining bearings, shafts and hubs; good temperature resistance.
GP50	295	2,000	Green	greater than 2 hours	0.015"	-65 to +350	high strength retaining compound, permanent assemblies.

Strengths and cure time measured with unprimed clean 3/8 - 24 carbon steel fasteners.

Strengths reported after 24 hour cure at room temperature in accordance with MIL-S-22473D.

Master Bond Inc.

Adhesives, Sealants & Coatings • 154 Hobart Street • Hackensack, N.J. 07601 • Tel: 201-343-8983 • Fax: 201-343-2132

Notice: Master Bond believes the information on the data sheets is reliable and accurate as is technical advice provided by the company. Master Bond makes no warranties (expressed or implied) regarding the accuracy of the information and assumes no liability regarding the handling and usage of this product.

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MIL-S-22473D GRADE EQUIVALENTS

Master Bond Grade	MIL Equivalent Grade	Locking Torque 3/8" Bolts, In - #'s	Viscosity CP	Color Code	Cure Time	Typical Gap Filled	Service Temp Range, °F	Applications
GP6	AV	210	200	Red	1 - 2 hours	0.010"	-65 to +350	standard grade, durable thread locking, bonding and sealing.
GP66	AA	284	20	Green	1 - 2 hours	0.005"	-65 to +350	high strength cures, retaining parts, subjected to various loads, fine threads.
GP4	A	245	20	Red	less than 1 hours	0.005"	-65 to +350	very fast high strength cures, also wicking grade.
GP333	AVV	240	4000	Red	greater than 2 hours	0.015"	-65 to +350	very high strength cures, coarser threads, worn parts.
GP8	B	150	180	Yellow	1 - 2 hours	0.005"	-65 to +350	medium strength cures, fine threads, small clearances.
GP10	CV	55	200	Blue	greater than 2 hours	0.010"	-65 to +350	low strength cures, hydraulic sealant, coarser threads.
GP12	C	50	20	Blue	greater than 2 hours	0.005"	-65 to +350	for fast disassembly, fine threads, small clearances
GP14	CVV	55	8000	Blue	greater than 2 hours	0.015"	-65 to +350	for fast disassembly, coarser threads, larger clearances.
GP16	H	22	200	Brown	greater than 2 hours	0.005"	-65 to +350	very low strength for easy disassembly, fine threads, small clearances.
GP18	HV	20	220	Brown	greater than 2 hours	0.010"	-65 to +350	very low strength for easy disassembly, coarser threads, larger clearances.
GP20	HVV	17	8500	Brown	greater than 2 hours	0.015"	-65 to +350	very low strength for easy disassembly, coarse threads, large clearances.
GP25	E	40	20	Purple	greater than 2 hours	0.005"	-65 to +350	low strength cures, fine threads, small clearances.
GP27	EV	40	200	Purple	greater than 2 hours	0.010"	-65 to +350	low strength cures, coarser threads, larger clearances.

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