

Physical Properties Bulletin

PlatSil® 71-Series, PlatSil® 73-Series, PlatSil® Gel Series, PlatSil® FS-Series, PlatSil® HTS-Series Silicone Rubber Products

Product	Mix Ratio	Part A Color	Part B Color	Pour Time (min)	Demold Time	Total Cure Time (hr)	Specific Gravity	Mix Viscosity (cP)	Shore Hardness	Tensile Strength psi (mPa)	% Elongation	Linear Shrinkage	Die B Tear Strength pli (kN/m)	Die T Tear Strength pli (kN/m)
PlatSil 71-Series														
PlatSil® 71-10	1A:10B	Clear	Pink ¹	5	30 min.	24	1.06	3,500	A10	173 (1.19)	311	Nil	42 (7.35)	ND
PlatSil® 71-11	1A:1B	Blue ¹	Green ¹	20	4 hr.	24	1.12	6,000	A10	281 (1.93)	751	Nil	117 (20.48)	36 (6.31)
PlatSil® 71-20	1A:1B	Blue ¹	Pink ¹	25	4 hr.	24	1.12	12,000	A20	368 (2.54)	530	Nil	117 (20.48)	33 (5.78)
PlatSil® 71-30	1A:10B	Green ¹	White	60	24 hr.	48	1.12	25,000	A30	561 (3.87)	419	Nil	140 (24.51)	ND
PlatSil® 71-35	1A:10B	Blue ¹	White	60	24 hr.	48	1.12	25,000	A35	635 (4.38)	413	Nil	145 (25.39)	37 (6.48)
PlatSil® 71-40 1A:5B	1A:5B	Clear	White	60	24 hr.	48	1.10	25,000	A40	366 (2.52)	386	Nil	60 (10.51)	17.1 (3.00)
PlatSil® 71-40 1A:10B	1A:10B	Clear	Clear	90	24 hr.	48	1.04	38,000	A40	438 (3.02)	296	Nil	98.6 (17.26)	32.9 (5.76)
PlatSil 73-Series														
PlatSil® 73-15	1A:1B	White	White	20	4 to 5 hr.	48	1.10	2,500	A15	265 (1.82)	640	Nil	55 (9.63)	17 (2.98)
PlatSil® 73-20	1A:1B	Blue	Blue	5	5 hr.	24	1.10	3000	A22	230 (1.58)	460	Nil	45 (7.87)	17 (2.98)
PlatSil® 73-25	1A:1B	Yellow	Green	15	4 to 5 hr.	48	1.14	6,000	A25	380 (2.61)	405	Nil	120 (21.02)	30 (5.25)
PlatSil® 73-29	1A:10B	Clear	White	45	16 hr.	48	1.10	15,000	A30	542 (3.74)	531	Nil	90 (15.76)	39 (6.83)
PlatSil® 73-40	1A:10B	Yellow	White	45	16 hr.	48	1.10	15,000	A40	465 (3.21)	355	Nil	52 (9.11)	7 (1.23)
PlatSil® 73-45	1A:10B	Green ¹	Tan	40	16 hr.	48	1.27	35,000	A45	631 (4.35)	707	Nil	145 (25.39)	62.9 (11.01)
PlatSil® 73-60	1A:10B	Blue ¹	Tan	45	16 hr.	48	1.29	40,000	A60	537 (3.70)	202	Nil	113 (19.79)	45 (7.88)
PlatSil® SiliGlass	1A:1B	Clear	Clear	7	30 min.	24	0.97	200	A40	NA	NA	NA	NA	NA
PlatSil® SiliFoam	1A:1B	Clear	Milky White	45 sec	30 min.	24	15 lb/ft ³	7,500	NA	NA	NA	NA	NA	NA
PlatSil Gel Series														
PlatSil® Gel-OO20	1A:1B	Milky White	Milky White	40	2 hr.	24	1.05	3,900	OO20	122 (0.84)	964	Nil	24.8 (4.34)	1.3 (0.52)
PlatSil® Gel-OO30	1A:1B	Milky White	Milky White	45	4 hr.	24	1.05	6,200	OO30	118 (0.81)	848	Nil	36.6 (6.41)	10.7 (1.87)
PlatSil® Gel-OO	1A:1B	Milky White	Milky White	6	30 min.	24	1.10	22,000	OO30	154 (1.06)	1275	Nil	56 (9.81)	19 (3.33)
PlatSil® Gel-10	1A:1B	Milky White	Milky White	6	30 min.	24	1.10	15,000	A10	228 (1.57)	970	Nil	80 (14.01)	27 (4.73)
PlatSil® Gel-25	1A:1B	Milky White	Milky White	5	1 hr.	24	1.12	3,500	A25	434 (2.99)	385	Nil	146 (25.56)	28 (4.90)
PlatSil FS-Series														
PlatSil ⁱ ® FS-10	1A:1B	Milky White	Milky White	8	25 min.	24	1.11	4,200	A13	488 (3.36)	679	Nil	157.9 (27.6)	54.8 (9.59)
PlatSil® FS-20	1A:1B	Milky White	Milky White	8	25 min.	24	1.11	3,800	A20	467 (3.22)	626	Nil	148.2 (25.9)	52.8 (9.24)
PlatSil HTS-Series														
PlatSil® HTS-25 Fast	1A:10B	Clear	Milky White	15	3 hr.	24	1.11	18,000	A25	656 (4.52)	1,706	Nil	176.9 (31.0)	73.7 (12.9)
PlatSil® HTS-25	1A:10B	Clear	Milky White	70	24 hr	48	1.11	15,500	A25	>645 (>4.45)	>2,000	Nil	179 (31.3)	67 (11.7)
PlatSil® HTS-40	1A:10B	Clear	Milky White	30	24 hr.	48	1.11	17,000	A40	686 (4.73)	831	Nil	131.3 (23.0)	56.2 (9.8)

¹ Component requires stirring before use.

Conventions: psi/145 = MPa (megaPascals) | pli x .1751 = kN/m (kiloNewtons per meter) | ND = Not Determined

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