

Physical Properties Bulletin

TinSil® Silicone Rubber Products

Product	Mix Ratio	Part A Color	Part B Color	Pour Time (min)	Demold Time (hr)	Total Cure Time (hr)	Specific Gravity	Specific Volume (in ³ /lb)	Mix Viscosity (cP)	Shore A Hardness	Tensile Strength psi (mPa)	% Elongation	Linear Shrinkage	Die B Tear Strength pli (kN/m)	Die T Tear Strength pli (kN/m)
TinSil® 70-Series															
TinSil® 70-11	10A:100B	Blue ¹	White	60	16	48	1.08	25.5	10,000	A10	221 (1.52)	600	0.3	89 (15.58)	24 (4.20)
TinSil® 70-25	10A:100B	Blue ¹	White	60	16	48	1.10	25.3	14,000	A25	306 (2.11)	516	0.3	107 (18.74)	36 (6.31)
TinSil® 70-60	5A:100B	Clear ¹	Red ¹	30	24	48	1.50	18	17,000	A60	262 (1.81)	134	0.8	25 (4.38)	ND
TinSil® 80-Series															
TinSil® 80-15	10A:100B	Orange ¹	Off White	30	16	48	1.10	25.3	12,000	A15	249 (1.72)	503	0.3	87 (15.24)	31 (5.43)
TinSil® 80-30	10A:100B	Orange ¹	Off White	45	16	48	1.17	23.7	17,000	A30	392 (2.70)	383	0.3	145 (25.38)	43 (7.53)
TinSil® 80-40	10A:100B	Orange ¹	Off White	45	16	48	1.21	22.9	20,000	A40	400 (2.76)	244	0.3	62 (10.86)	17 (2.98)
TinSil® Gel-10 & Brush/Spray 25															
TinSil® Gel-10	10A:100B	Clear ¹	Translucent	60	16	48	1.10	25.3	10,000	A10	221 (1.52)	654	0.3	89 (15.58)	24 (4.20)
TinSil® Brush/Spray 25	10A:100B	Clear	Translucent	30	16	48	1.10	25.3	Thixotropic	A25	278 (1.91)	608	0.3	75 (13.13)	27 (4.73)

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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