

Physical Properties Bulletin

Polygel® Series, 81-Series, 72-Series, and GlassRub Series Polyurethane Rubber Products

Product	Mix Ratio	Part A Color	Part B Color	Working/Pour Time (min)	Demold Time (hr)	Total Cure Time (Days)	Specific Gravity	Mix Viscosity (cP)	Shore A Hardness	Tensile Strength psi (mPa)	% Elongation	Linear Shrinkage %	Die C Tear Strength pli (kN/m)
Polygel® Series													
Polygel® 35	1A:1B	Clear Slight Yellow	White-Pink to Brown	10-15	16	7	1.02	Thixotropic	A35	436 (3.00)	620	Nil	70 (12.25)
Polygel® Spray 35	1A:1B	Clear Slight Yellow	White-Pink to Brown	10	16	7	1.06	Thixotropic	A35	507 (3.49)	627	Nil	71 (12.43)
Polygel® Spray 50	1A:1B	Translucent Blue	Clear Yellow to Amber	5-7	16	7	1.07	Thixotropic	A50	834 (5.75)	885	Nil	117 (20.49)
81-Series													
81-90	100A:40B	Clear	Clear Amber	23	16	7	1.06	2,000	A90	1550(10.69)	463	Nil	357 (62.51)
81-D45	100A:20B	Clear	Clear Amber	19	16	7	1.08	1,600	D45	1426 (9.83)	327	Nil	380 (66.54)
72-Series													
Poly-Fast 72-40	10A:100B	Clear Brown	Opaque Off-White	30	8-12	7	1.39	4,000	A40	648 (4.47)	897	Nil	81 (14.18)
GlassRub Series													
Poly GlassRub 50	1A:1B	Clear	Clear Green	30	16	7	1.00	1200	A50	360 (2.48)	750	Nil	74 (12.96)

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

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