

## Physical Properties of Polytek Poly 75 and 77 Series Polyurethane Rubber Products

Product	Mix Ratio	Part A Color	Part B Color	Pour Time (min)	Demold Time (hr)	Total Cure Time (Days)	Specific Gravity	Mixed Viscosity (cps)	Shore A Hardness	Tensile Strength PSI (Mpa)*	% Elongation	Linear Shrinkage %	Die C Tear Strength PLI (kN/m)**
<b>Poly 75 Series</b>													
75-59	1A:1B	Clear Yellow	Clear Yellow to Amber	10	16	7	1.05	2,500	A60	637 (4.39)	588	Nil	122 (21.36)
75-60	1A:1B	Clear Yellow	Clear Yellow, Green, Blue, Amber	10	16	7	1.05	1,200	A60	545 (3.76)	459	Nil	103 (18.04)
75-65	1A:1B	Clear Yellow	Clear Yellow to Amber	35	16	7	1.04	3,000	A65	520 (3.59)	550	Nil	145 (25.44)
75-70	1A:1B	Clear Yellow	Opaque Gray	40	16	7	1.05	3,000	A70	938 (6.47)	724	Nil	299 (52.35)
75-75	2A:1B	Clear Yellow	Clear Amber	20	16	7	1.06	4,000	A75	1,064 (7.34)	722	Nil	247 (43.25)
75-79	2A:1B	Clear Yellow	Clear Yellow to Amber	20	16	7	1.07	2,000	A80	655 (4.52)	369	Nil	143 (25.04)
75-80	2A:1B	Clear Yellow	Clear Yellow to Amber	45	16	7	1.07	5,000	A80	750 (5.17)	468	Nil	199 (34.85)
75-81	2A:1B	Clear Yellow	Clear Amber	3	1	7	1.04	2,400	A80	1021 (7.04)	520	Nil	251 (43.95)
75-90	2A:1B	Clear Yellow	Off-White to Tan	10-15	16	7	1.07	6,000	A90	1,979 (13.65)	774	Nil	368 (64.44)
<b>Poly 77 Series</b>													
77-50	1A:1B	Clear Yellow	Brown	10	16	7	1.07	2,000	A50	920 (6.34)	1,426	Nil	158 (27.67)
77-65	1A:1B	Clear Yellow	Brown	10	16	7	1.07	2,000	A65	1,159 (7.99)	793	Nil	180 (31.52)

\*Component requires stirring before use.

\*PSI/145=Mpa (megapascals)

\*\*PLI x 0.1751 = kN/m (kilonewtons per meter)

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