

Physical Properties of Polytek Poly 74 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)**
74-20	1A:2B	Clear Yellow	Yellow ¹	20	16	7	1.01	800	A20	217 (1.50)	1,060	Nil	43 (7.53)
74-24	1A:1B	Clear Yellow	Clear Yellow to Amber	20	16	7	1.01	2000	A25	220 (1.52)	750	Nil	55 (9.63)
74-29	1A:1B	Clear Yellow	Opaque Black or White ¹	30	16	7	1.02	2,800	A30	520 (3.59)	1,600	Nil	109 (19.09)
74-30	1A:1B	Clear Yellow	Translucent Yellow, Green, Blue, Amber ¹	30	16	7	1.01	2,000	A30	281 (1.94)	506	Nil	62 (10.86)
74-30 Clear	1A:1B	Clear Yellow	Clear Yellow, Green, Blue, Amber	30	16	7	1.01	2,000	A30	281 (1.94)	507	Nil	62 (10.86)
74-30HT	1A:1B	Clear Yellow	Clear Yellow, Green, Blue, Amber	25	16	7	1.01	2000	A30	304 (2.10)	975	Nil	70 (12.26)
74-40	2A:1B	Clear Yellow	Clear Yellow, Green, Blue, Amber ¹	20	16	7	1.01	3,400	A40	349 (2.41)	400	Nil	95 (16.64)
74-41	1A:1B	Clear Yellow	Clear Yellow to Amber	20	16	7	1.01	2000	A40	360 (2.49)	1060	Nil	77(13.49)
74-44	2A:1B	Clear Yellow	Opaque Gray	20	16	7	1.01	3,500	A45	462 (3.19)	2422	Nil	129 (22.59)
74-45	1A:1B	Clear Yellow	Yellow	30	16	7	1.02	2,000	A45	408 (2.81)	1,135	Nil	82 (14.36)
74-50	2A:1B	Clear Yellow	Clear Yellow to Amber	15	16	7	1.01	2000	A50	530 (3.66)	940	Nil	125 (21.89)
74-55	4A:1B	Clear Yellow	Clear Yellow to Amber	15	16	7	1.01	4,000	A55	679 (4.68)	894	Nil	155 (27.14)

¹Component requires stirring before use.

*PSI/145=Mpa (megapascals)

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

Disclaimer: Information in this bulletin and otherwise provided by Polytek is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained by the use thereof, or that any such use will not infringe any patent. The user shall determine the suitability of the product for the intended use and assumes all risk and liability whatsoever in connection therewith.