



## MY Polymers Products Selector Guide

### MY-140 Series

	MY-142	MY-142B	MY-143	MY-145	MY-146	MY-1465	MY-147	MY-1473	MY-148	MY-149
<b>n<sup>D</sup> liquid</b>	1.410	1.405	1.423	1.434	1.4427	1.4462	1.4527	1.4558	1.461	1.476
<b>n<sup>D</sup> cured @589nm</b>	1.420	1.420	1.435	1.450	1.4607	1.465	1.4700	1.4738	1.479	1.492
<b>D, g/cm<sup>3</sup></b>	1.24	1.37	1.18	1.15	1.125	1.08	1.094	1.09	1.075	1.03
<b>Viscosity, cps</b>	1050	600	1200	630	270	235	500	290	320	1000
<b>Shore A</b>	70		80	92	91	90				80
<b>Shore D</b>		71		50	62	45	60	60	65	
<b>Adhesion to glass, 90° peel, g/cm</b>	95	42	300	600	>1400	>800	>1000	1700	1000	600
<b>Tensile Strength, MPa</b>	3.7	21		11.4	17.4	10.6	11.6	14.8	16.7	
<b>Elongation to break,%</b>	100	9.5		150	22	140	174	90	90	
<b>Elastic modulus, MPa</b>	5.3	525		300	515	160	270	555	580	



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### MY-130 Series

	MY-132	MY-132A	MY-133	MY-133 V-2000	MY-133 V5000	MY-136	MY-136 V2000	MY-1375	MY-1375 V2000	MY-139
<b>n<sup>D</sup> liquid</b>	1.319	1.324	1.3315	1.3293	1.339	1.355	1.359	1.369	1.369	1.379
<b>n<sup>D</sup> cured @589nm</b>	1.324	1.326	1.336	1.3330	1.344	1.365	1.369	1.379	1.380	1.391
<b>RI cured @950 nm</b>	1.320	1.322	1.332	1.329	1.340	1.361	1.363	1.375	1.375	1.386
<b>Density, g/cm<sup>3</sup></b>	1.73	1.73	1.67	1.71	1.66	1.57	1.58	1.55	1.54	1.50
<b>Viscosity, cp</b>	200	2600	700	2-3,000	4500	700	2350	4200	2000	2300
<b>Shore A</b>	62	30	65	70	70	76	95	95	95	
<b>Shore D</b>						26	50		55	58
<b>Adhesion to glass, 90° peel, g/cm</b>	3	4	3	4	6	38	35	26	25	20
<b>Tensile, MPa</b>		0.3	0.4	1.2	1.8	4.7	6.6	9.5	9.0	11.3
<b>Elongation to break, %</b>	10	80	12	40	54	83	28	52	40	38
<b>Elastic Modulus, MPa</b>	2.5	0.4	4	4.5	3.6	11	92	108	110	190



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### OF Series for Optical Fiber Cladding

	OF-133	OF-134	OF-136	OF-1375	OF-139
<b>n<sup>D</sup> liquid (@589 nm)</b>	1.333	1.339	1.359	1.368	1.386
<b>n<sup>D</sup> cured (@589 nm)</b>	1.334	1.344	1.369	1.377	1.397
<b>RI curd at 950 nm</b>	1.330	1.340	1.363	1.372	1.392
<b>Density, g/cm<sup>3</sup></b>	1.68	1.66	1.58	1.56	1.47
<b>Viscosity, cp</b>	2100	3800	2600	3300	5000
<b>Hardness, Shore</b>	70-75A	70-75A	90-95A	90-95A	60D
<b>Adhesion to glass, 90° Peel, g/cm</b>	20	33	64	120	90
<b>Tensile Strength, MPa</b>	0.9	1.1	6.9	8.3	15
<b>Elongation to break, %</b>	20	38	39	54	55
<b>Elastic modulus, MPa</b>	3.7	3.8	100	105	292
<b>Hard Coating Requirement</b>	Yes	Yes	No	No	No



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