

MY Polymers Products Selector Guide

OF Series for Optical Fiber Cladding

	OF-133	OF-134	OF-136	OF-137	OF-1375	OF-139
n^D liquid (@589 nm)	1.333	1.339	1.359	1.363	1.368	1.386
n^D cured (@589 nm)	1.334	1.344	1.369	1.372	1.377	1.397
RI at 950 nm	1.330	1.340	1.363	1.368	1.372	1.390
Density, g/cm³	1.68	1.66	1.58	1.57	1.56	1.48
Viscosity, cp	2100	3800	2600	2950	3300	5000
Hardness, Shore	70-75A	70-75A	90-95A	90-95A	90-95A	60D
Tensile Strength, MPa	0.9	1.1	6.9	8	8.3	15
Elongation to break, %	20	38	39	50	54	50
Elastic modulus, MPa	3.7	3.8	100	100	105	240
Adhesion to glass, 90° Peel, g/cm	20	33	64	100	150	80
Hard Coating Requirement	Yes	Yes	No	No	No	No

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MY-130 Series

	MY-132	MY-132A	MY-132 V15K	MY-133	MY-133 V-2000	MY-133 V5000	MY-136	MY-136B	MY-1375	MY-1375 V2000	MY-139
n^D liquid	1.319	1.324	1.324	1.3315	1.3293	1.339	1.355	1.359	1.369	1.369	1.379
n^D cured @589nm	1.324	1.326	1.327	1.336	1.3330	1.344	1.365	1.369	1.379	1.380	1.391
RI cured @950 nm	1.320	1.322	1.322	1.332	1.329	1.340	1.361	1.363	1.375	1.375	1.386
Density, g/cm³	1.73	1.73	1.73	1.67	1.71	1.66	1.57	1.58	1.55	1.54	1.50
Viscosity, cp	200	2600	14500	700	2-3,000	4500	700	2350	4200	2000	2300
Shore A	62	30	v.low	65	70	70	76	95	95	95	
Shore D							26	50		55	58
Adhesion to glass, 90° peel, g/cm	3	4	20	3	4	6	38	15	26	25	20
Tensile, MPa		0.3		0.4	1.2	1.8	4.7	6.6	9.5	9.0	11.3
Elongation, %	10	80		12	40	54	83	28	52	40	38
Elastic Modul. ,MPa	2.5	0.4	v.low	4	4.5	3.6	11	92	108	110	190

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MY-140 Series

	MY-142	MY-142B	MY-143	MY-145	MY-146	MY-1465	MY-147	MY-1473	MY-148
n^D liquid	1.410	1.405	1.423	1.434	1.4427	1.4462	1.4527	1.4558	1.461
n^D cured @589nm	1.420	1.420	1.435	1.450	1.4607	1.465	1.4700	1.4738	1.479
D, g/cm³	1.24	1.37	1.18	1.15	1.125	1.08	1.094	1.09	1.075
Viscosity, cps	1050	600	1200	630	270	235	500	290	320
Adhesion to glass, 90° peel, g/cm	95	42	300	600	>1400	>800	>1000	1700	1000
Shore A	70		80	92	91	90			
Shore D		71		50	62	45	60	60	65
Tensile Strength, MPa	3.7	21		11.4	17.4	10.6	11.6	14.8	16.7
Elongation to break,%	100	9.5		150	22	140	174	90	90
Elastic modulus, MPa	5.3	525		300	515	160	270	555	580