



MY Polymers Products Selector Guide

OF Series for Optical Fiber Cladding

| | OF-133 | OF-134 | OF-136 | OF-1375 | OF-139 |
|--|--------|--------|--------|---------|--------|
| n^D liquid (@589 nm) | 1.333 | 1.339 | 1.359 | 1.368 | 1.386 |
| n^D cured (@589 nm) | 1.334 | 1.344 | 1.369 | 1.377 | 1.397 |
| RI curd at 950 nm | 1.330 | 1.340 | 1.363 | 1.372 | 1.392 |
| Density, g/cm³ | 1.68 | 1.66 | 1.58 | 1.56 | 1.47 |
| Viscosity, cp | 2100 | 3800 | 2600 | 3300 | 5000 |
| Hardness, Shore | 70-75A | 70-75A | 90-95A | 90-95A | 60D |
| Adhesion to glass, 90° Peel, g/cm | 20 | 33 | 64 | 120 | 90 |
| Tensile Strength, MPa | 0.9 | 1.1 | 6.9 | 8.3 | 15 |
| Elongation to break, % | 20 | 38 | 39 | 54 | 55 |
| Elastic modulus, MPa | 3.7 | 3.8 | 100 | 105 | 292 |
| Hard Coating Requirement | Yes | Yes | No | No | No |



Electro Optical Components, Inc.

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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 |
|--|--------|---------|--------|------------------|-----------------|--------|-----------------|---------|------------------|--------|
| n^D liquid | 1.319 | 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 | 1.336 | 1.3330 | 1.344 | 1.365 | 1.369 | 1.379 | 1.380 | 1.391 |
| RI cured @950 nm | 1.320 | 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 | 1.67 | 1.71 | 1.66 | 1.57 | 1.58 | 1.55 | 1.54 | 1.50 |
| Viscosity, cp | 200 | 2600 | 700 | 2-3,000 | 4500 | 700 | 2350 | 4200 | 2000 | 2300 |
| Shore A | 62 | 30 | 65 | 70 | 70 | 76 | 95 | 95 | 95 | |
| Shore D | | | | | | 26 | 50 | | 55 | 58 |
| Adhesion to glass, 90° peel, g/cm | 3 | 4 | 3 | 4 | 6 | 38 | 35 | 26 | 25 | 20 |
| Tensile, MPa | | 0.3 | 0.4 | 1.2 | 1.8 | 4.7 | 6.6 | 9.5 | 9.0 | 11.3 |
| Elongation to break, % | 10 | 80 | 12 | 40 | 54 | 83 | 28 | 52 | 40 | 38 |
| Elastic Modulus, MPa | 2.5 | 0.4 | 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 | MY-149 |
|--|--------|---------|--------|--------|--------|---------|--------|---------|--------|--------|
| n^D liquid | 1.410 | 1.405 | 1.423 | 1.434 | 1.4427 | 1.4462 | 1.4527 | 1.4558 | 1.461 | 1.476 |
| n^D cured @589nm | 1.420 | 1.420 | 1.435 | 1.450 | 1.4607 | 1.465 | 1.4700 | 1.4738 | 1.479 | 1.492 |
| D, g/cm³ | 1.24 | 1.37 | 1.18 | 1.15 | 1.125 | 1.08 | 1.094 | 1.09 | 1.075 | 1.03 |
| Viscosity, cps | 1050 | 600 | 1200 | 630 | 270 | 235 | 500 | 290 | 320 | 1000 |
| Shore A | 70 | | 80 | 92 | 91 | 90 | | | | 80 |
| Shore D | | 71 | | 50 | 62 | 45 | 60 | 60 | 65 | |
| Adhesion to glass, 90° peel, g/cm | 95 | 42 | 300 | 600 | >1400 | >800 | >1000 | 1700 | 1000 | 600 |
| 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 | |



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