

RPO Standard Glass Types

Molding can be accomplished with a large range of glasses, and unlike many molders, RPO is not restricted to low transformation temperature (Tg) glasses. This large selection of glass offers the optical designer more freedom when designing multi-lens systems.

Table 1-2 lists current optical grade glass types that have been demonstrated in the RPO molding process. The glasses have gone through a molding verification process

for their reaction to the temperature cycling and the effects on the tooling surfaces. The dispersion (Vd) and index (Nd) data show the after-molding values for these specific glasses. RPO is verifying new glasses regularly to expand its glass molding capabilities, and the latest list can also be found on our website at www.rpoptics.com and in optical design packages Code V and ZEMAX.

Don't see your glass type here?
Give us a call **585-292-5450**

Table 1-2

Glass Type	Manufacturer	Vd	Nd
H-ZLAF55A_mold	CDGM	42.73	1.830000
H-ZLAF53_mold	CDGM	36.95	1.829200
S-LAH60_mold*	Ohara	36.79	1.827266
H-ZLAF52_mold*	CDGM	40.70	1.801298
K-VC89_mold	Sumita	40.71	1.804597
H-ZLAF56A_mold	CDGM	33.02	1.799999
TAF3_mold	Hoya	46.25	1.799800
H-ZLAF50D_mold*	CDGM	46.27	1.798700
TAF1_mold*	Hoya	49.27	1.767000
N-LAF2_mold	Schott	44.54	1.738772
TAC4_mold	Hoya	50.71	1.728999
H-LAK54_mold*	CDGM	51.10	1.728497
S-LAL18_mold	Ohara	54.27	1.723761

Glass Type	Manufacturer	Vd	Nd
D-LAK6_mold	CDGM	52.80	1.689442
S-LAL13_mold	Ohara	52.86	1.688895
L-TIM28_mold	Ohara	30.86	1.684030
S-LAL12_mold	Ohara	54.97	1.673298
D-LAK70_mold	CDGM	55.14	1.665254
N-LAK22_mold	Schott	55.51	1.646725
K-VC79_mold	Sumita	57.30	1.605145
BACD14_mold	Hoya	60.23	1.598511
K-CSK120_mold	Sumita	59.19	1.5833
N-SK5_mold*	Schott	60.73	1.583930
D-K59_mold*	Schott	63.10	1.514796
N-BK7_mold*	Schott	63.65	1.512595
N-FK5_mold	Schott	69.96	1.484390

* Indicates preferred material choices for molding. Contact RPO for any materials selected other than preferred.

