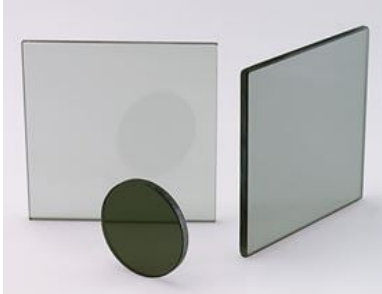


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Hoya Absorptive Neutral Density (ND) Filters

See More by [Hoya](#)

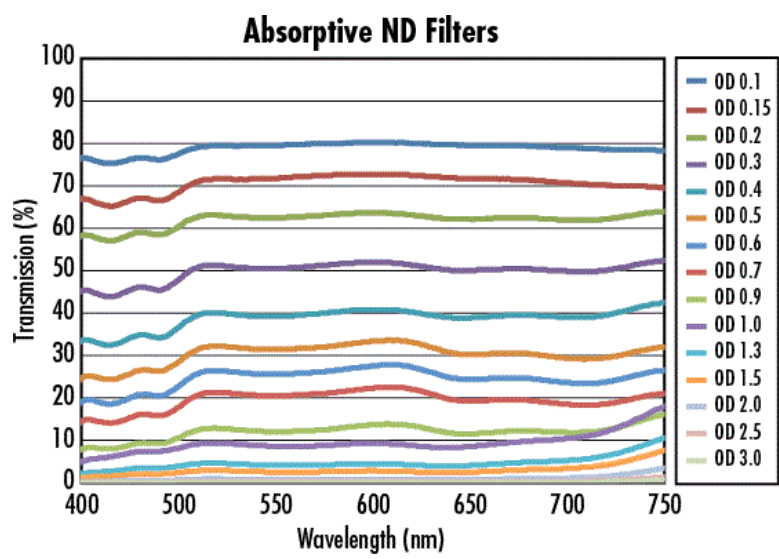


- Attenuates Visible Light Via Absorption, Rather than Reflection
- Multiple Filters Can be Stacked for Increased Blocking
- Optical Densities from 0.1 to 4.0 are Available
- Also Available [Pre-mounted in C-Mount Housings](#)

Common Specifications

Physical & Mechanical Properties			
Thickness Tolerance (mm):		±0.5	
			Parallelism (mm): <0.02
Optical Properties			
Substrate:		ND Filter Glass	
			Coating: Uncoated
Surface Quality:		80-50	
			Blocking Wavelength Range (nm): 400 - 700

Technical Information



Products

Dia. (mm)	Dimensions (mm)	Glass/Filter Number	Optical Density OD (Average)	Thickness (mm)	Transmission (%)	Stock Number	Price	Buy
12.50	-	Hoya ND70	0.1	1.20	79.0	#63-456	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND70	0.1	1.20	79.0	#63-460	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND70	0.1	1.20	79.0	#63-464	€98,00 Qty 11+ €87,00	In Stock
50.00	-	Hoya ND70	0.1	1.20	79.0	#65-808	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND70	0.15	2.50	70.0	#48-523	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND70	0.15	2.50	70.0	#46-211	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND70	0.15	2.50	70.0	#46-217	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND70	0.15	2.50	70.0	#65-809	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND50	0.2	1.50	63.0	#63-457	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND50	0.2	1.50	63.0	#63-461	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND50	0.2	1.50	63.0	#63-465	€98,00 Qty 11+ €87,00	In Stock
50.00	-	Hoya ND50	0.2	1.50	63.0	#65-810	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND50	0.3	2.50	50.0	#48-524	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND50	0.3	2.50	50.0	#46-212	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND50	0.3	2.50	50.0	#46-218	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND50	0.3	2.50	50.0	#65-811	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND40	0.4	2.50	40.0	#48-525	€32,00 Qty 11+ €29,00	3-4 days
25.00	-	Hoya ND40	0.4	2.50	40.0	#46-213	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND40	0.4	2.50	40.0	#46-219	€98,00 Qty 11+ €87,00	3-4 days

50.00	-	Hoya ND40	0.4	2.50	40.0	#65-812	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND25	0.5	2.00	32.0	#48-526	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND25	0.5	2.00	32.0	#48-089	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND25	0.5	2.00	32.0	#48-094	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND25	0.5	2.00	32.0	#65-813	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND25	0.6	2.50	25.0	#48-527	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND25	0.6	2.50	25.0	#46-214	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND25	0.6	2.50	25.0	#46-220	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND25	0.6	2.50	25.0	#65-814	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND25	0.7	3.10	20.0	#63-458	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND25	0.7	3.10	20.0	#63-462	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND25	0.7	3.10	20.0	#63-466	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND25	0.7	3.10	20.0	#65-815	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND13	0.9	2.50	12.5	#48-528	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND13	0.9	2.50	12.5	#46-215	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND13	0.9	2.50	12.5	#46-221	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND13	0.9	2.50	12.5	#65-816	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND0.3	1.0	1.00	10.0	#48-529	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND0.3	1.0	1.00	10.0	#48-090	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND0.3	1.0	1.00	10.0	#48-095	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND0.3	1.0	1.00	10.0	#65-817	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND0.3	1.3	1.45	5.0	#63-459	€32,00 Qty 11+ €29,00	Contact Us

25.00	-	Hoya ND0.3	1.3	1.45	5.0	#63-463	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND0.3	1.3	1.45	5.0	#63-467	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND0.3	1.3	1.45	5.0	#65-818	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND0.3	1.5	1.50	3.0	#48-530	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND0.3	1.5	1.50	3.0	#48-091	€46,00 Qty 11+ €41,00	In Stock
-	50.0 x 50.0	Hoya ND0.3	1.5	1.50	3.0	#48-096	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND0.3	1.5	1.50	3.2	#65-819	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND0.3	2.0	2.00	1.0	#48-531	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND0.3	2.0	2.00	1.0	#48-092	€46,00 Qty 11+ €41,00	In Stock
-	50.0 x 50.0	Hoya ND0.3	2.0	2.00	1.0	#48-097	€98,00 Qty 11+ €87,00	In Stock
50.00	-	Hoya ND0.3	2.0	2.00	1.0	#65-820	€98,00 Qty 11+ €87,00	In Stock
12.50	-	Hoya ND0.3	2.5	2.50	0.3	#48-532	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND0.3	2.5	2.50	0.3	#46-216	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND0.3	2.5	2.50	0.3	#46-222	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND0.3	2.5	2.50	0.3	#65-821	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND0.3	3.0	3.00	0.1	#48-533	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND0.3	3.0	3.00	0.1	#48-093	€46,00 Qty 11+ €41,00	3-4 days
-	50.0 x 50.0	Hoya ND0.3	3.0	3.00	0.1	#48-098	€98,00 Qty 11+ €87,00	3-4 days
50.00	-	Hoya ND0.3	3.0	3.00	0.1	#65-822	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND006	3.5	2.50	0.03	#36-268	€32,00 Qty 11+ €29,00	3-4 days
25.00	-	Hoya ND006	3.5	2.50	0.03	#36-269	€46,00 Qty 11+ €41,00	3-4 days
50.00	-	Hoya ND006	3.5	2.50	0.03	#36-270	€98,00 Qty 11+ €87,00	3-4 days

-	50.0 x 50.0	Hoya ND006	3.5	2.50	0.03	#36-271	€98,00 Qty 11+ €87,00	3-4 days
12.50	-	Hoya ND006	4.00	2.85	0.01	#36-272	€32,00 Qty 11+ €29,00	In Stock
25.00	-	Hoya ND006	4.00	2.85	0.01	#36-273	€46,00 Qty 11+ €41,00	3-4 days
50.00	-	Hoya ND006	4.00	2.85	0.01	#36-276	€98,00 Qty 11+ €87,00	3-4 days
-	50.0 x 50.0	Hoya ND006	4.00	2.85	0.01	#36-277	€98,00 Qty 11+ €87,00	3-4 days



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