

[All Products](#) / [Optics](#) / [Optical Lenses](#) / [Plano-Concave \(PCV\) Lenses](#)

TECHSPEC® MgF₂ Coated Plano-Concave (PCV) Lenses



- AR Coated to Provide <1.75% Reflectance per Surface for 400 - 700nm
- Designed for 0° Angle of Incidence
- Various Coating Options: [Uncoated](#), [VIS-EXT](#), [VIS 0°](#), [VIS-NIR](#), [YAG-BBAR](#), [NIR I](#), and [NIR II](#)

Common Specifications

Physical & Mechanical Properties

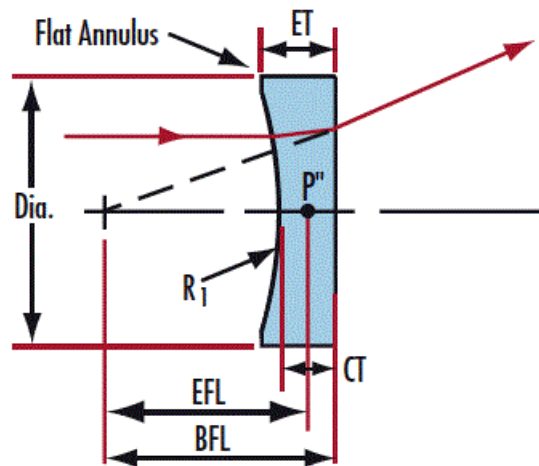
Bevel: Protective as needed

Optical Properties

Coating: MgF₂ (400-700nm)

Wavelength Range (nm):	400 - 700	Coating Specification:	$R_{avg} \leq 1.75\%$ @ 400 - 700nm
Focal Length Specification Wavelength (nm):	587.6	Focal Length Tolerance (%):	± 1
Power (P-V) @ 632.8nm:	1.5λ	Irregularity (P-V) @ 632.8nm:	$\lambda/4$

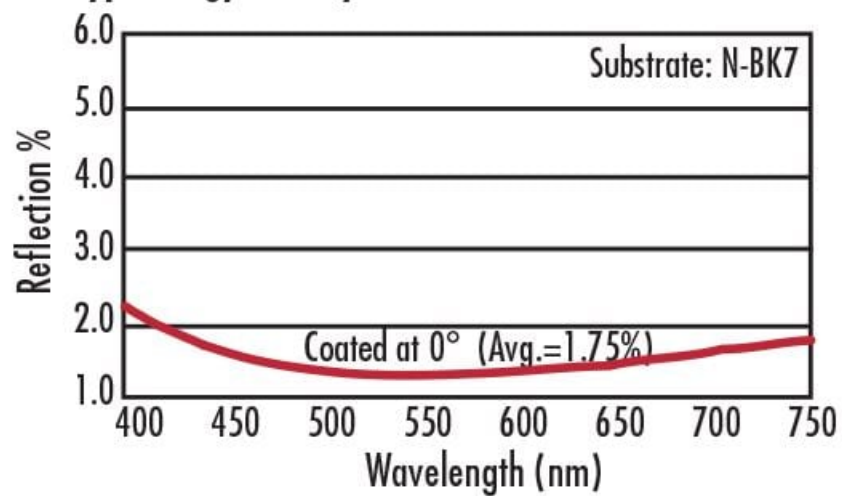
Technical Information



MgF₂ Coating

$R_{avg} \leq 1.75\%$ @ 400 - 700nm

Typ. Energy Density Limit: 10 J/cm² @ 532nm, 10ns



Products

Dia. (mm)	EFL (mm)	BFL (mm)	Coating	Substrate	Stock Number	Price	Buy
3.00	-6.00	-6.56	MgF ₂ (400-700nm)	N-SF11	#45-373	€57,68 Volume Pricing	20+ In Stock
3.00	-9.00	-9.56	MgF ₂ (400-700nm)	N-SF11	#45-375	€57,68 Volume Pricing	Contact Us
6.00	-6.00	-6.84	MgF ₂ (400-700nm)	N-SF11	#45-007	€36,57 Volume Pricing	20+ In Stock
6.00	-9.00	-9.84	MgF ₂ (400-700nm)	N-SF11	#48-337	€36,57 Volume Pricing	20+ In Stock
6.00	-12.00	-12.99	MgF ₂ (400-700nm)	N-BK7	#45-009	€36,57 Volume Pricing	20+ In Stock
6.00	-15.00	-16.32	MgF ₂ (400-700nm)	N-BK7	#48-684	€36,57 Volume Pricing	7 In Stock
6.00	-18.00	-19.32	MgF ₂ (400-700nm)	N-BK7	#45-011	€36,57 Volume Pricing	9 In Stock
9.00	-9.00	-10.21	MgF ₂ (400-700nm)	N-SF11	#45-379	€37,60 Volume Pricing	3 In Stock
9.00	-12.00	-13.26	MgF ₂ (400-700nm)	N-SF11	#48-338	€37,60 Volume Pricing	20+ In Stock
9.00	-18.00	-19.26	MgF ₂ (400-700nm)	N-SF11	#45-381	€37,60 Volume Pricing	20+ In Stock
9.00	-27.00	-28.68	MgF ₂ (400-700nm)	N-SF11	#45-383	€37,60 Volume Pricing	20+ In Stock
12.00	-12.00	-13.23	MgF ₂ (400-700nm)	N-SF11	#45-015	€38,11 Volume Pricing	12 In Stock
12.00	-15.00	-16.68	MgF ₂ (400-700nm)	N-SF11	#48-685	€38,11 Volume Pricing	5 In Stock
12.00	-18.00	-19.95	MgF ₂ (400-700nm)	N-SF11	#48-339	€38,11 Volume Pricing	17 In Stock
12.00	-24.00	-26.32	MgF ₂ (400-700nm)	N-BK7	#45-017	€38,11 Volume Pricing	20+ In Stock

12.00	-48.00	-50.31	MgF ₂ (400-700nm)	N-BK7	#45-019	€38,11 Volume Pricing	20+ In Stock
20.00	-30.00	-31.96	MgF ₂ (400-700nm)	N-SF11	#45-021	€39,66 Volume Pricing	20+ In Stock
20.00	-40.00	-42.31	MgF ₂ (400-700nm)	N-BK7	#45-023	€39,66 Volume Pricing	20+ In Stock
20.00	-50.00	-52.31	MgF ₂ (400-700nm)	N-BK7	#45-025	€39,66 Volume Pricing	14 In Stock
20.00	-	-	MgF ₂ (400-700nm)	N-BK7	#22-244	€39,66 Volume Pricing	6 In Stock
25.00	-25.00	-26.96	MgF ₂ (400-700nm)	N-SF11	#45-031	€40,94 Volume Pricing	4 In Stock
25.00	-35.00	-36.96	MgF ₂ (400-700nm)	N-SF11	#48-686	€40,94 Volume Pricing	11 In Stock
25.00	-50.00	-52.31	MgF ₂ (400-700nm)	N-BK7	#45-029	€40,94 Volume Pricing	20+ In Stock
25.00	-	-	MgF ₂ (400-700nm)	N-BK7	#45-027	€40,94 Volume Pricing	20+ In Stock
50.00	-	-	MgF ₂ (400-700nm)	N-BK7	#45-037	€61,29 Volume Pricing	9 In Stock
50.00	-	-	MgF ₂ (400-700nm)	N-BK7	#45-039	€61,29 Volume Pricing	20+ In Stock



Copyright 2023 | Edmund Optics, Ltd Unit 1, Opus Avenue, Nether Poppleton, York, YO26 6BL, UK
Phone: 1-800-363-1992 :
www.edmundoptics.com