



asphericon

AFL12-10-P-U-355



Price:

from 345,00 EUR

19 % VAT plus. excl. Shipping costs

(https://www.asphericon.com/shop/popup_content.php?coID=1)

Options:

Coating: Uncoated , Coating A (400 nm - 600 nm) , Coating B (600 nm - 1050 nm) , Coating C (1000 nm - 1600 nm) , Coating X (240 nm - 380 nm) , Coating Y (320 nm - 450 nm) , Coating K (355 nm) , Coating L (532 nm) , Coating M (1064 nm)

The asphericon AFL12-10-P-U-355 is an asphere manufactured from fused silica which can be used both in the UV range as well as for laser applications with high power (> 1kW cw). This asphere combines the performance and quality of precision-polished lenses (RMS < 0.5 μm) with the cost advantages of mass production. Thanks to CNC polishing and grinding this aspheric lens meets the highest demands on production quality and tolerance.

Looking for this lens with ultra-precise surface qualities of up to RMSi < 0.015 μm ? Request your individual offer now!

Product Features

Material	Fused Silica
Diameter [mm]	12.5
Diameter tolerance [mm]	+0/-0.05
EFL [mm]	10.0
NA	0.58
f/d	0.833
Working distance WD [mm]	12.3
Design wavelength [nm]	355
RMSi [nm]	500
Wavefront RMS [nm]	≤ 235
Edge thickness Te [mm]	2.76
Center thickness Tc [mm]	7.5
Clear Aperture CA (col) [mm]	11.25
Clear Aperture CA (foc) [mm]	8.85
Surface Imperfections [Scratch/Dig]	20 - 20
Laser induced damage threshold	12 J/cm², 100 Hz, 6 ns, 532 nm
RoHS compliance	yes



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