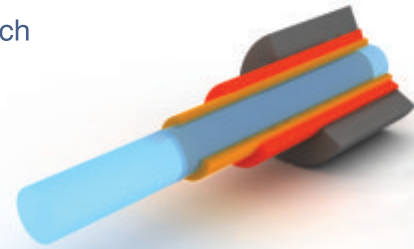


AS UV-Taper Fasern

Merkmale

- » Große Einkoppel-Fläche
- » Umwandlung nicht homogener Strahlung in homogener Strahlung
- » Als UV und IR Typ verfügbar
- » Größere Ausgangsleistung als Standard-Fasern mit gleichem Durchmesser
- » Alternative zu Linsensystemen
- » Biokompatible Materialien
- » Sterilisation durch ETO, Dampf, E-beam, Gamma-Strahlung möglich



Faser-Design

Kern

- » Rein verschmolzene Quarz Kern

Optischer Mantel / Cladding

- » Fluor dotierte Quarz cladding / optischer Mantel

Buffer optional

- » Silicone
- » Acrylat
- » Hard Clad
- » Polyimide

Mantel

- » Acrylat (-40°C bis 85°C)
- » Acrylat Hochtemperatur (200°C)
- » Silicone (-40°C bis 180°C)
- » Polyimide (-190°C bis 385°C)
- » Nylon (-40°C bis 100°C)
- » ETFE (-200°C bis 150°C)

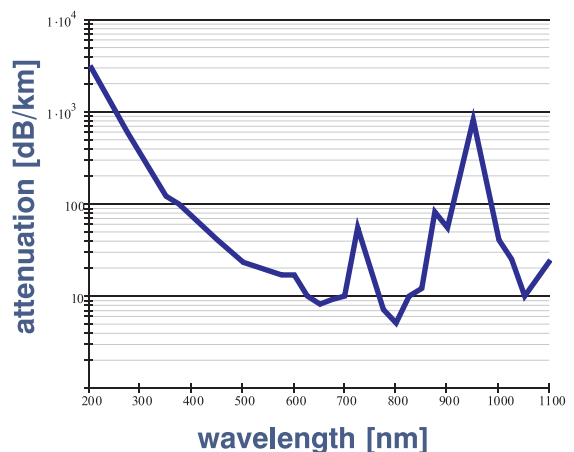
Eigenschaften

- » Kern/Opt.Mantel Verhältnis: 1.1, 1.2
- » Numerische Apertur: 0.22 ± 0.02
- » Wellenlängenbereich: 180 nm bis 1100 nm
- » Typische Übertragung: >80%
- » Laser-Zerstörschwelle (UV) :
 - > 30 mJ/mm² (KrF, 25 ns pulse bei 248 nm) /
 - > 100 mJ/mm² (XeCl, 30 ns Pulse bei 308nm)

Optional

- » Numerische Apertur 0.10 bis 0.28
- » PCS Taper 0,37
- » Stecker (SMA, FC/PC, ST, DIN),
Sonderstecker auf Anfrage
- » Taper-Faser Kabeln

Spectral Attenuation AS...UV



AS...UV-FIBERS

NYLON JACKETED FIBERS

(-40°C to 85°C)

NOTE

For silicone coating
replace A with S in
product code.

Product code	Core (μm) ± 2%	Clad (μm) ± 2%	Coating (μm) ± 5%	Coating Material	Jacket (μm) ± 5%
AS 100/110 UVAN	100	110	180	Acrylate	300
AS 200/220 UVAN	200	220	350	Acrylate	500
AS 300/330 UVAN	300	330	500	Acrylate	700
AS 400/440 UVAN	400	440	550	Acrylate	700
AS 600/660 UVAN	600	660	800	Acrylate	1000
AS 800/880 UVAN	800	880	1000	Acrylate	1200
AS 1000/1100 UVAN	1000	1100	1250	Acrylate	1500
AS 1500/1650 UVAN	1500	1650	1800	Acrylate	2000

ETFE JACKETED FIBERS

(-40°C to 150°C)

NOTE

For acrylate coating
replace S with A in
product code.

Product code	Core (μm) ± 2%	Clad (μm) ± 2%	Coating (μm) ± 5%	Coating Material	Jacket (μm) ± 5%
AS 100/110 UVSE	100	110	180	Silicone	300
AS 200/220 UVSE	200	220	350	Silicone	500
AS 300/330 UVSE	300	330	500	Silicone	700
AS 400/440 UVSE	400	440	550	Silicone	700
AS 600/660 UVSE	600	660	800	Silicone	1000
AS 800/880 UVSE	800	880	1000	Silicone	1200
AS 1000/1100 UVSE	1000	1100	1250	Silicone	1500
AS 2000/2100 UVSE	2000	2100	2800	Silicone	4000

POLYIMIDE COATED FIBERS

(-190°C to 385°C)

Product code	Core (μm) ± 2%	Clad (μm) ± 2%	Coating (μm) ± 3%
AS 100/110 UVPI	100	110	120
AS 200/220 UVPI	200	220	235
AS 300/330 UVPI	300	330	345
AS 400/440 UVPI	400	440	460
AS 600/660 UVPI	600	660	680

BUNDLES FIBER SPECIFICATIONS

Product code	Core (μm) ± 2%	Clad (μm) ± 2%	Coating (μm) ± 3%	Coating Material
AS 27/30 UVVV	27	30		Wet coating
AS 46/50 UVPI	46	50	58	Polyimide
AS 46/50 UVVV	46	50		Wet coating
AS 64/70 UVPI	64	70	78	Polyimide
AS 64/70 UVVV	64	70		Wet coating
AS 100/110 UVPI	100	110	120	Polyimide
AS 100/110 UVVV	100	110		Wet coating
AS 200/220 UVPI	200	220	235	Polyimide

Andere Spezifikationen erhalte Sie auf Anfrage.