

ArmD[®] MID-IR

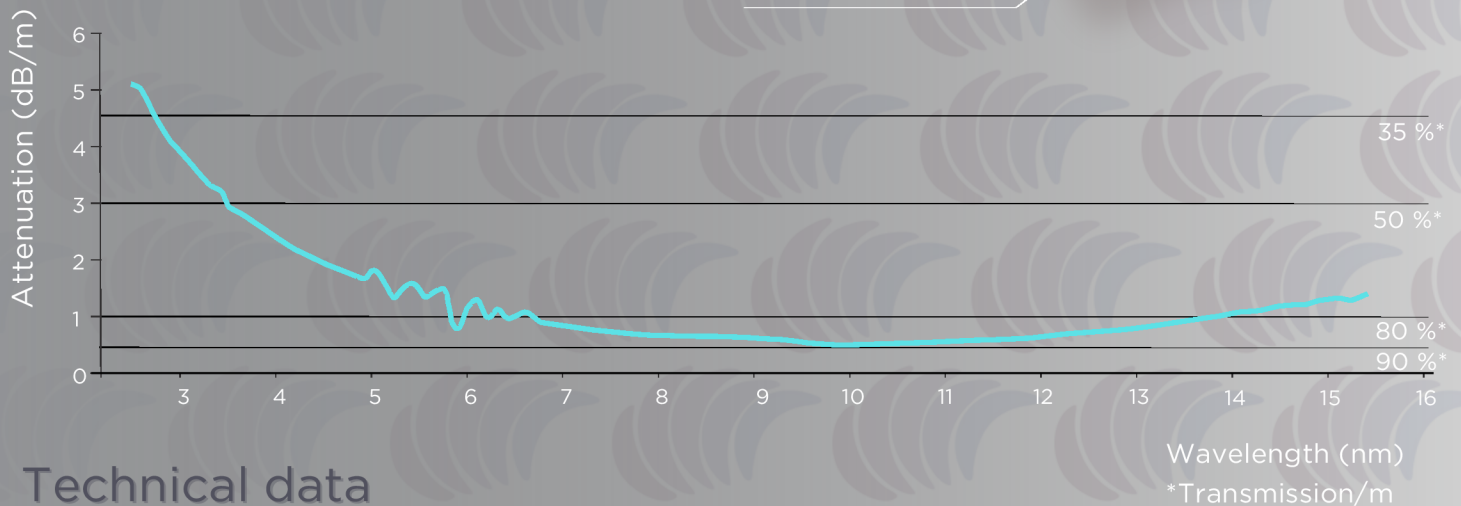
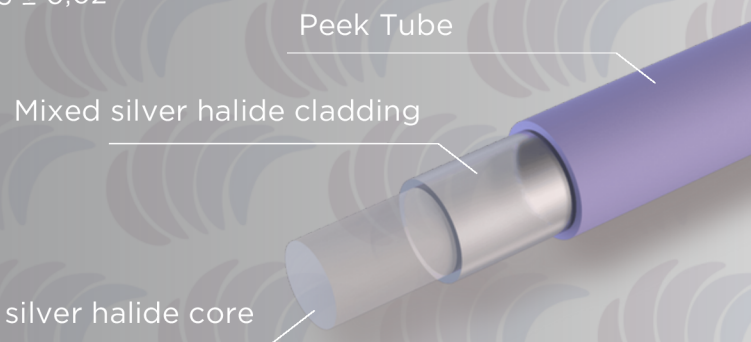
Silver halide fiber

This unique fiber, which comprises a photosensitive compound (AgCl, AgBr), offers extremely low attenuation values in the mid-infrared (MIR) range.

Wavelength		Numerical Aperture (NA)	
ArmD [®] MID-IR	3 - 17 μm	Low	0,13 \pm 0,02
		Standard	0,25 \pm 0,02
		High	0,35 \pm 0,02

Advantages

- Optimized for CO- and CO₂-laser applications
- Low attenuation in the mid-infrared (MIR) range
- Robust and flexible
- Non-hygroscopic and Non-toxic material
- Available in core/cladding or pure core versions



Technical data

Operating temperature	-273 to +140 °C
Standard diameter:	Core / cladding (μm) 240/300 μm 600 / 700 μm 900 / 1000 μm
Laser damage threshold	CW CO ₂ laser >12 kW/cm ²
Calculation index (core)	2,1
Reflective losses @ 10.6 μm	25%



armadillosia.com
 +1-408-900-8883
 info@armadillosia.com



Scan to see more