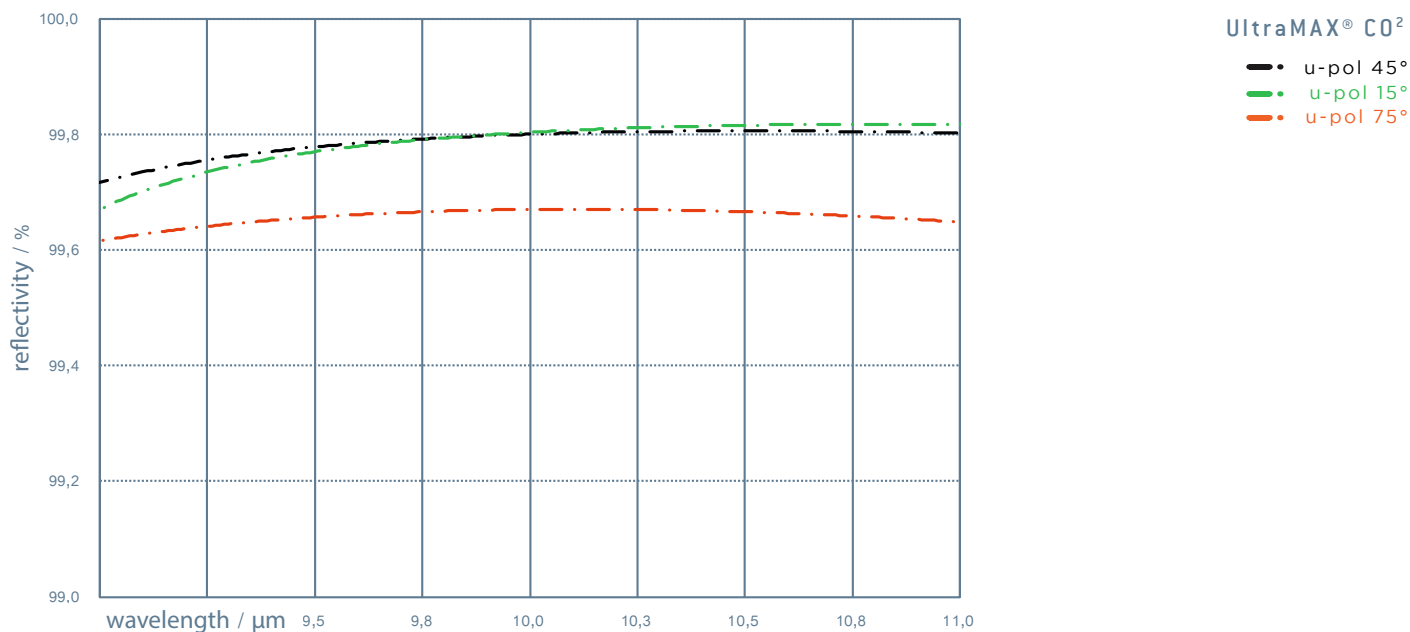


# optoSiC® SCANcoat UltraMAX® CO<sup>2</sup>

BROADBAND OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY AT 10600NM.



## UltraMAX® CO<sup>2</sup>

		TYPICAL VALUES	
Wavelength [ $\lambda_1$ ]	(nm)	9300 / 10600	± 2 %
Wavelength [ $\lambda_2$ ]	(nm)	630 - 660	for alignment
Scan Angle	(°)	45 ± 15	
HR [ $\lambda_1$ ] @45° u-pol	(%)	> 99,7	Abs < 2500ppm / typ 1500ppm
R <sub>avg</sub> [ $\lambda_2$ ] @45 u-pol	(%)	> 45	
Powerdensity	[kW/cm <sup>2</sup> ]	320	
Damage Threshold / Energy Density	[J/cm <sup>2</sup> ]	-	not measured for pulsed radiation

- Laser induced damage threshold (LIDT) is typically given as x-Watts per linear millimeter of beam radius (br) (1/e<sup>2</sup>) 310% at 45° Angle of Incidence.
- Transmission edges can vary ~ 2% from lot to lot for the given wavelength.
- All data given for ambient conditions 20-25°C, at higher temperatures thermal shifts will occur.
- Reflectivity is qualified on fused silica samples
- Measured uncertainty of HR +/- 1,0 %
- n.d. = not defined

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