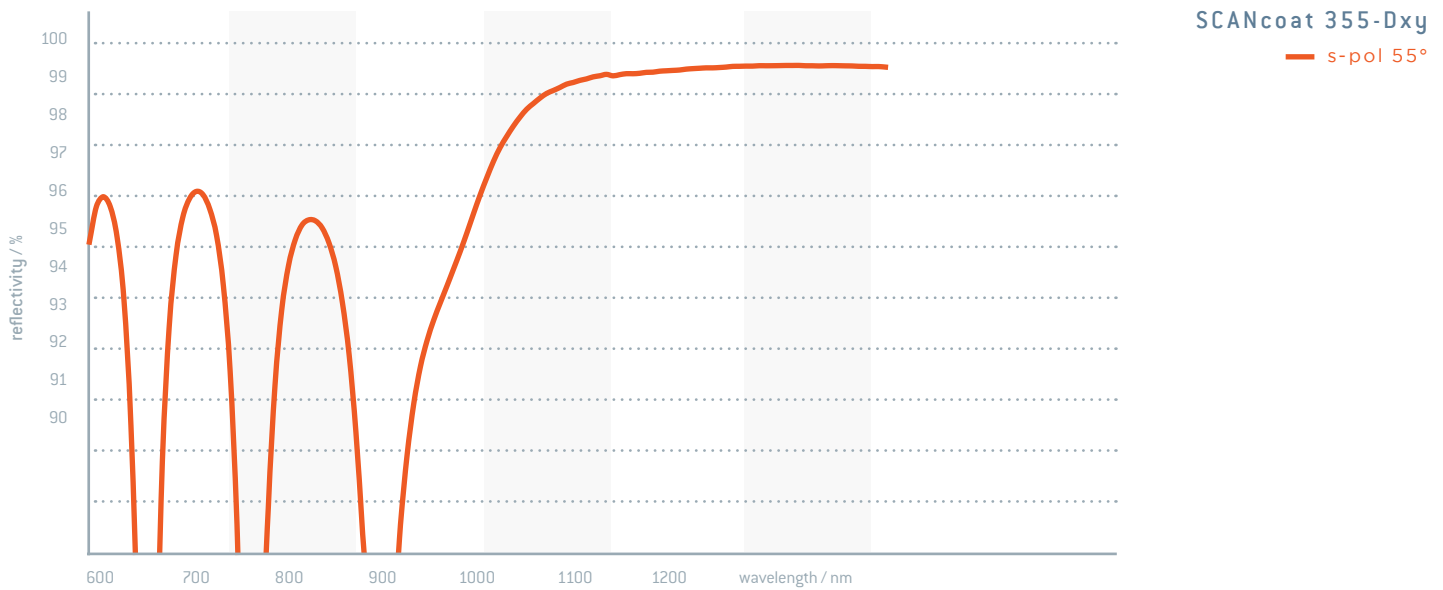


optoSiC® SCANcoat 355-Dxy

HIGH POWER OPTICAL COATING OPTIMIZED FOR HIGHEST REFLECTIVITY AT **355NM** FOR AOIS OF **45°** AND **37.5°**, RESPECTIVELY.



355-Dxy

		TYPICAL VALUES	
Wavelength [λ_1]	(nm)	355 +/-2	s. spectrum
Wavelength [λ_2]	(nm)	632,8	
Scan Angle Range SAR	(°)	37,5 / 45,0 ±10	27,5 - 55,0
HR [λ_1] @45° (s+p)/2=u-pol	(%)	> 99,0	
HR [λ_1] @SAR u-pol	(%)	> 98,0	
R _{avg} [λ_2] @45 u-pol	(%)	> 50,0	
Powerdensity	(kW/cm ²)	n.d.	LIDT* (@355nm CW)
Damage Threshold / Energy Density	(J/cm ²)	n.d.	for pulsed 355nm radiation 10ns, 1 Hz

- Laser induced damage threshold (LIDT) is typically given as x-Watts per linear millimeter of beam radius (br) (1/e²) 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