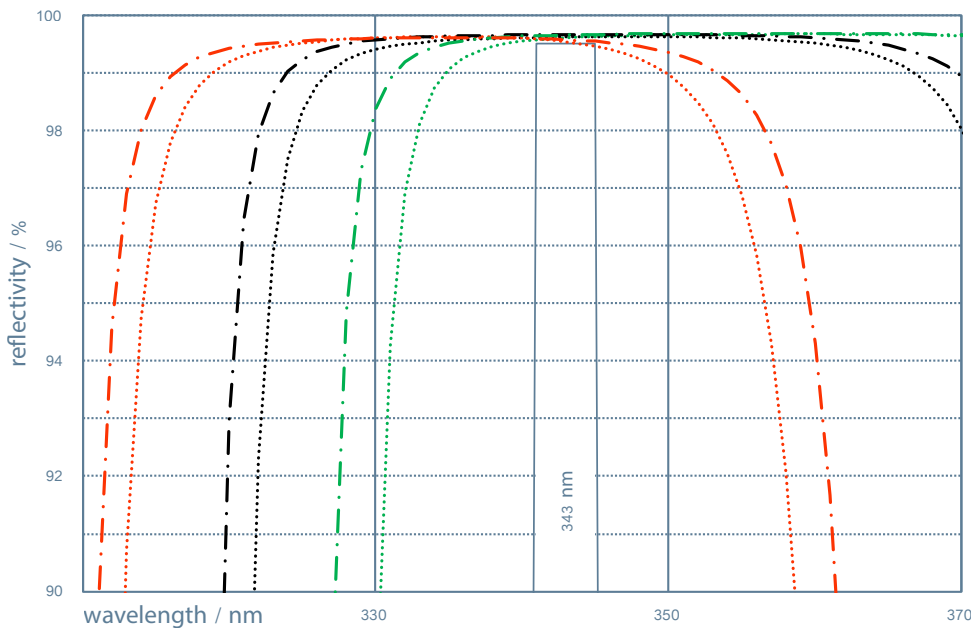


# optoSiC® SCANcoat 343-Dxy

HIGH POWER OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY AT **343NM** FOR AOI OF **45°** AND **37,5°**, RESPECTIVELY.



SCANcoat 343-Dxy

- u-pol 45°
- u-pol 35°
- u-pol 55°
- - - - u-pol 37,5°
- - - - u-pol 27,5°
- - - - u-pol 47,5°

## 343-Dxy

		TYPICAL VALUES	
Wavelength [ $\lambda_1$ ]	[nm]	343 ± 2	s. spectrum
Wavelength [ $\lambda_2$ ]	[nm]	632,8	
Scan Angle	[°]	37,5 / 45 ± 10	27 - 55
HR [ $\lambda_1$ ] @45° u-pol	[%]	> 99,5	
$R_{avg}$ [ $\lambda_2$ ] @45 u-pol	[%]	> 30	
Powerdensity	[kW/cm²]	n.d.	LIDT* (@355nm CW)
Damage Threshold / Energy Density	[J/cm²]	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/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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