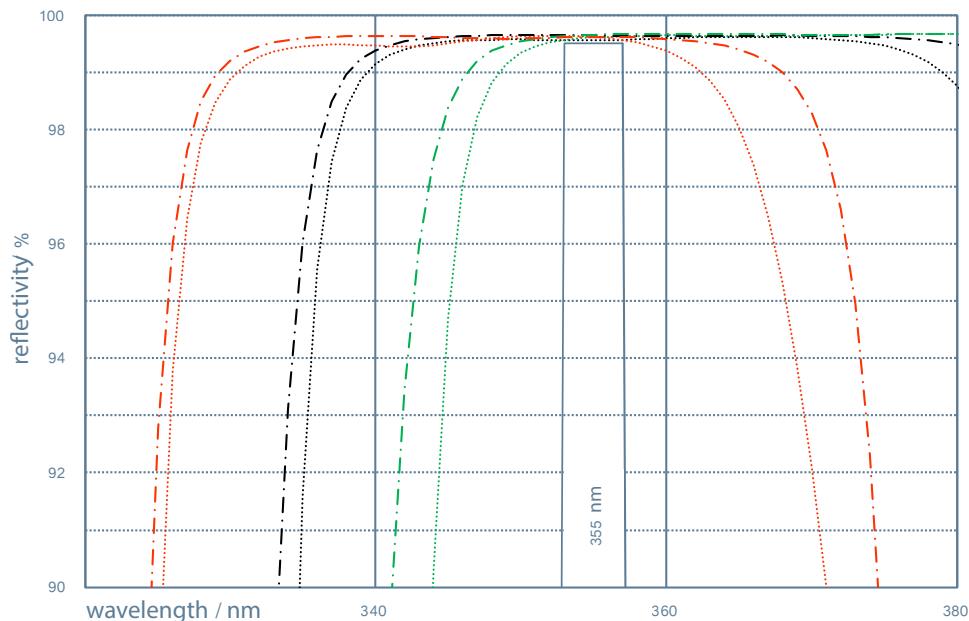


optoSiC® SCANcoat 355-Dxy

HIGH POWER OPTICAL COATING OPTIMIZED FOR HIGH REFLECTIVITY AT **355NM** FOR AOI OF **45°** AND **37,5°**, RESPECTIVELY.



SCANcoat 355-Dxy

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

355-Dxy

		TYPICAL VALUES	
Wavelength [λ_1]	[nm]	355 ± 2	s. spectrum
Wavelength [λ_2]	[nm]	632,8	
Scan Angle	[°]	37,5 / 45 ± 10	27,5 - 55
HR [λ_1] @45° u-pol	[%]	> 99,5	
R_{avg} [λ_2] @45 u-pol	[%]	> 50	
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



**MERSEN Deutschland
Holding GmbH & Co. KG**
Division optoSiC

Baierbrunner Straße 39
D-81379 Munich
Germany

phone +49 (0) 89 780 7239 0
fax +49 (0) 89 780 7239 211
email info.munich@mersen.com

www.optosic.com
www.mersen.com