

# Light Extraction Enhancement Materials

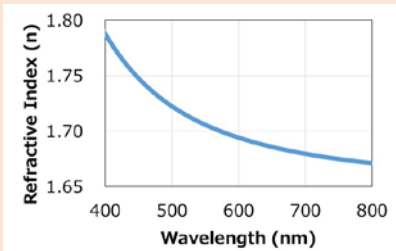
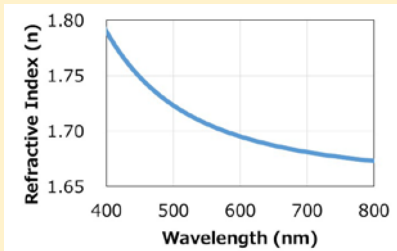
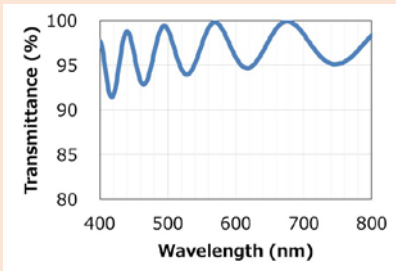
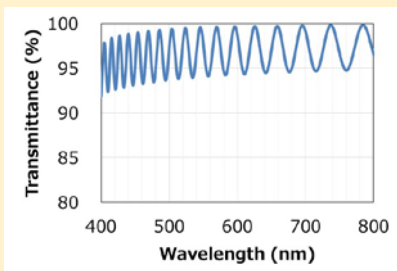
## HYPERTECH<sup>®</sup> UR-series

### High Refractive Index Coating Solutions

#### ■ Varnish properties

Grade	UR-1000series	UR-2000series
Type	UV	Thermal
Solid contents	1~15	1~30
Viscosity	~5 mPa·s	~30 mPa·s
Main solvent	Cyclopentanone	PGME
Coating Condition	①100°C,1min. ②400mJ/cm <sup>2</sup> @365nm in Air [High pressure mercury lamp]	①100°C,1min. ②200°C,5min.

#### ■ Film properties ※Substrate : Non-alkali glass

Grade	UR-1101	UR-2301
Thickness	1.0 μm	3.5 μm
Refractive Index 400~800nm	 1.71@550nm	 1.70@550nm
Transmittance 400~800nm	 96.7%@400~800nm	 96.8%@400~800nm
HAZE	0.05%	0.03%

※Spin coating condition : 200rpm,5sec.→1000rpm,30sec.



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