



LARMOR®YR-003 is an optical fibre ribbon matrix, suitable for both UV curing and UV-LED curing. This product has many advantages such as fast curing speed, easy to peel, easy to separate the optical fibre and low odor.

### — Liquid Coating Properties

Item	Typical value	Unit
Viscosity, 25°C	6000	mPa·s
Density	1.11	g·cm <sup>-3</sup>
Refractive index	1.516	n/a

### — Cured Coating Properties

Item	Typical value	Unit
Elongation*	21.0	%
Tensile strength*	24	MPa
Modulus, 2.5% strain*	570	MPa
Glass transition temperature	55.3	°C
Refractive index	1.536	n/a
95% cure dose	0.2	J·cm <sup>-2</sup>
Curing shrinkage	5.6	%
Thermal weight change at 200°C for 40min	4.1	%

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## — Storage Condition

LARMOR®YR-003 is a light curable material; protect this product from all sources of ultraviolet light, including fluorescent lighting and sunlight to prevent premature curing. It is recommended that this coating be stored in a dry place in unopened, undamaged, original containers at temperatures between 15° C and 30° C. Storage or shipment in cold conditions may result in a phase separation which is reversible and is corrected by heating for 24 hours at 50°C.

## — Shelf Life

LARMOR®YR-003 has a recommended shelf life of 12 months from the date of manufacture, provided that the above stated storage conditions are properly maintained.

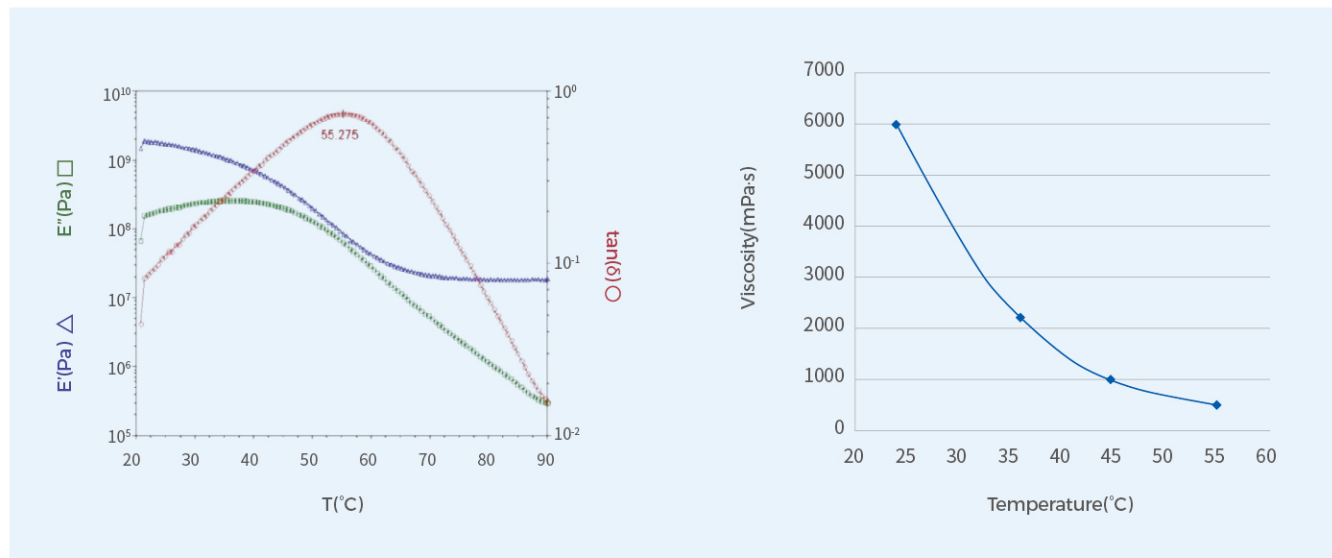
## — Safety Information

This product may cause skin and/or eye irritation and skin sensitization. Material safety data sheet for all products is also available from your Polytech sales representative. All safety and handling recommendations should be followed carefully.

## — Filtration

LARMOR®YR-003 is manufactured using fine filtration techniques designed to eliminate fibre strength problems and ensure uniform product performance.

## — DMA Curve and Viscosity-temperature Curve



NOTES: The information presented herein is based on generally accepted analytical and testing practices and is believed to be accurate.

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