NEW!

Next Generation

Hybrid Chemistry Adhesives for Optoelectronics

Taking the "Industry Standard" EPO-TEK® 353ND to New Levels of Performance

EPOXY TECHNOLOGY

Innovative Epoxy Adhesive Solutions for Over 45 Years™

www.EPOTEK.com

EPO-TEK® Epoxy/UV Hybrid Adhesives

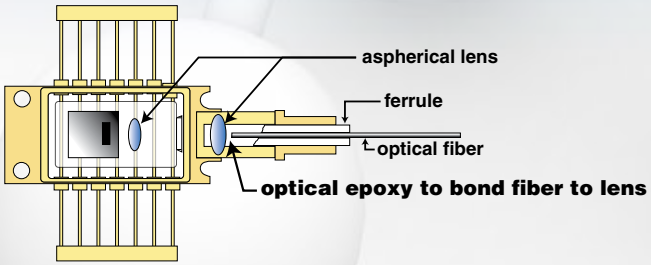
	Traditional Epoxy	Modified Epoxy/UV Hybrid		
	353ND	113-91-5	113-114-4	113-114-1
	Industry GOLD Standard	Low viscosity, fast tack	Viscosity match of 353ND	Higher viscosity version
Mix Ratio	10 to 1	20 to 1	10 to 1	20 to 1
Viscosity (@10 rpm)	4,000 cPs	1,434 cPs	4,915 cPs	11,878 cPs
Pot Life	< 3 hrs	20 hrs	< 3 hrs	5 hrs
Tg (°C)	107	87	107	111
Minimum cure	150°C/5min	UV 10 sec @ 100mW/cm2 +150°C/10min	UV 20 sec @ 100mW/cm2 +150°C/10min	UV 10 sec @ 100mW/cm2 +150°C/10min
Degradation Temp (°C)	419	365	399	388
Weight loss	0.08%	0.07%	non detectable	non detectable
Die shear (kg)	30.6	28.6	30.7	28.3
Spectral Transmission	>98% @ 800-1600nm	>98% @ 800-1600nm	>98% @ 800-1600nm	>98% @ 800-1600nm
*Index Of Refraction	1.5694	1.5221	1.5259	1.5538

* uncured at 589nm

Hybrid Adhesive Benefits

- Overall process improvement
- Higher thru-put
- Easier handing
- Tack Free in 10-20 seconds
- 85°C/85%RH resistance comparable to 353ND

Butterfly Type LD Module



Align → Hold/Tack → Final Process (with Heat)

For additional information, please visit us at: www.epotek.com, or email our Technical Services Group at: techserv@epotek.com

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