

# EPO-TEK® UD1355

Epoxy; Epoxide

Epoxy Technology Inc.

## Message:

Optically clear UV curable adhesive and encapsulant designed to resist discoloration during solder reflow processing.  
Formerly 100-135-5

General Information		
Features	UV Curable	
Uses	Adhesives	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Liquid	
Processing Method	Encapsulating	
Thermal	Nominal Value	Unit
Glass Transition Temperature	36.0	°C
Optical	Nominal Value	Unit
Refractive Index <sup>1</sup>	1.493	
Transmittance		
360 to 780 nm	> 99.0	%
800 to 2200 nm	> 96.0	%
Thermoset	Nominal Value	Unit
Shelf Life (23°C)	26	wk
Additional Information	Nominal Value	Unit
Degradation Temperature	292	°C
Die Shear Strength - 20 kg (23°C)	46.9	MPa
Operating Temperature		
Continuous	-55 to 125	°C
Intermittent	-55 to 225	°C
Weight Loss on Heating		
200°C	2.9	%
250°C	5.8	%
300°C	11	%
Uncured Properties	Nominal Value	Unit
Color	Colorless	
Density	1.16	g/cm <sup>3</sup>
Viscosity <sup>2</sup> (23°C)	0.45	Pa · s

Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	77	
NOTE		
1.	589 nm	
2.	100 rpm	

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