

EPO-TEK® 301-2FL-T

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

A two component optical grade flexible epoxy resin. This is a thixotropic version of EPO-TEK 301-2FL.
Formerly 108-10

General Information		
Features	Good Flexibility	
	Thixotropic	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Liquid	
Thermal	Nominal Value	Unit
Glass Transition Temperature	46.0	°C
Optical	Nominal Value	Unit
Refractive Index ¹	1.548	
Transmittance (380 to 2100 nm)	> 97.0	%
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 34	
Shelf Life (23°C)	52	wk
Additional Information	Nominal Value	Unit
Degradation Temperature	336	°C
Operating Temperature		
Continuous	-55 to 150	°C
Intermittent	-55 to 250	°C
Thixotropic Index	2.60	
Weight Loss on Heating		
200°C	0.84	%
250°C	1.2	%
300°C	3.3	%
Uncured Properties	Nominal Value	Unit
Color		
-- ²	Colorless	

-- ³	Colorless	
Density		
Part B	0.948	g/cm ³
Part A	1.16	g/cm ³
Viscosity ⁴ (23°C)	0.49	Pa·s
Curing Time (80°C)	3.0	hr
Pot Life	300	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	70	
NOTE		
1.	589 nm	
2.	Part B	
3.	Part A	
4.	100 rpm	

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