

EPO-TEK® TV1003-LV

Thermoset Polyimide

Epoxy Technology Inc.

Message:

Screen printable polyimide paste for semiconductor wafer coating applications. It is a lower viscosity version of EPO-TEK® TV1003.
Formerly 98-5-3

General Information		
Uses	Coating Applications	
	Electrical/Electronic Applications	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Paste	
Physical	Nominal Value	Unit
Ion Type		
Cl-	3	ppm
K+	1	ppm
Na+	15	ppm
NH4+	96	ppm
Particle Size	< 10.0	µm
Degradation Temperature	541	°C
Operating Temperature		
Continuous	-55 to 300	°C
Intermittent	-55 to 400	°C
Storage Modulus	1.96	GPa
Thixotropic Index	2.70	
Weight Loss on Heating		
200°C	< 0.050	%
250°C	< 0.050	%
300°C	< 0.050	%
Thermal	Nominal Value	Unit
Glass Transition Temperature	241	°C
CLTE - Flow		
-- 1	2.8E-5	cm/cm/°C
-- 2	3.6E-5	cm/cm/°C
Thermal Conductivity	0.77	W/m/K

Thermoset	Nominal Value	Unit
Shelf Life (23°C)	52	wk
Uncured Properties	Nominal Value	Unit
Color	Ivory	
Density	1.26	g/cm ³
Viscosity ³ (23°C)	140	Pa·s
Curing Time ⁴	2.0	hr
Pot Life	40000	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	60	
NOTE		
1.	Below Tg	
2.	Above Tg	
3.	0.5 rpm	
4.	150°C/1 Hour + 275°C/1 Hour	

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