

EPO-TEK® H20S-D

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

A single component, silver-filled epoxy with a smooth, thixotropic consistency. It is a version of EPO-TEK® H20S designed primarily for enhanced dispensing.

Formerly 97-81-1

General Information		
Filler / Reinforcement	Silver	
Features	Thixotropic	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Physical	Nominal Value	Unit
Particle Size	< 20.0	µm
Degradation Temperature	404	°C
Operating Temperature		
Continuous	-55 to 200	°C
Intermittent	-55 to 300	°C
Storage Modulus	6.91	GPa
Thixotropic Index	4.50	
Weight Loss on Heating		
200°C	0.050	%
250°C	0.16	%
300°C	0.82	%
Thermal	Nominal Value	Unit
Glass Transition Temperature	70.0	°C
CLTE - Flow		
-- ¹	4.8E-5	cm/cm/°C
-- ²	2.8E-4	cm/cm/°C
Thermal Conductivity	2.2	W/m/K
Thermoset	Nominal Value	Unit
Shelf Life (-40°C)	52	wk
Uncured Properties	Nominal Value	Unit
Color	Silver	
Density	2.93	g/cm ³
Viscosity ³ (23°C)	1.3	Pa · s
Pot Life	2900 to 4300	min

Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	60	
Volume Resistivity (23°C)	1.4E-4	ohms·cm
NOTE		
1.	Below Tg	
2.	Above Tg	
3.	100 rpm	

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