

Epoxies, Ect. 10-3008

Epoxy; Epoxide

Epoxies, Etc.

Message:

10-3008 is a filled, high performance structural epoxy adhesive. 10-3008 is a flexible adhesive with outstanding lap shear and peel strength. It is a great choice for bonding substrates of differing coefficients of thermal expansion. 10-3008 is also an excellent adhesive for applications requiring impact and vibration resistance.

10-3008 has a convenient 1:1 by volume mix ratio and therefore is ideal for Dual Barrel Cartridge packaging. 10-3008 is stocked in 50ML and 200ML Dual Cartridge sizes.

10-3008 contains non-abrasive fillers and therefore is well suited for meter mix and dispense equipment.

Features:

1:1 Non-critical mix ratio

High lap shear strength

Thermal shock resistance

Excellent chemical resistance

General Information		
Features	Bondability	
	Good Adhesion	
	Good Chemical Resistance	
	Good Flexibility	
	Good Impact Resistance	
	Good Thermal Shock Resistance	
Uses	Adhesives	
	Bonding	
	Structural Parts	
Appearance	Grey	
Films	Nominal Value	Unit
Peel Strength - T-Peel		
25°C ¹	25.0	piw
66°C ²	26.0	piw
82°C ³	23.0	piw
100°C ⁴	25.0	piw
121°C ⁵	23.0	piw
Thermoset	Nominal Value	Unit
Thermoset Mix Viscosity (25°C)	96000	cP
Uncured Properties	Nominal Value	Unit
Color		
-- ⁶	Beige	
-- ⁷	Grey	
Mix Ratio by Weight (PBW)		

Part A	1.0	
Part B	1.3	
Mix Ratio by Volume (PBV)		
Part A	1.0	
Part B	1.0	
Density		
25°C ⁸	1.23	g/cm ³
25°C ⁹	1.69	g/cm ³
Viscosity		
25°C ¹⁰	78	Pa · s
25°C ¹¹	650	Pa · s
Curing Time		
121°C	0.50	hr
82°C	1.0	hr
66°C	2.0	hr
25°C	18 to 24	hr
Pot Life ¹² (25°C)	60	min
Shelf Life	12	month
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	55 to 65	
Lap Shear Strength		
-- ¹³	20.7	MPa
-- ¹⁴	20.7	MPa
-- ¹⁵	22.1	MPa
-- ¹⁶	18.6	MPa
-- ¹⁷	20.0	MPa
NOTE		
1.	7 days	
2.	2 hours	
3.	1 hour	
4.	18 hours + 2 hours	
5.	30 minutes	
6.	Part B	
7.	Part A	
8.	Part B	
9.	Part A	
10.	Part B	
11.	Part A	
12.	100 grams	
13.	AL/AL, 1 hours at 82.2°C	
14.	AL/AL, 18 hours + 2 hours at 100°C	
15.	AL/AL, 2 hours at 65.6°C	

16.	AL/AL, 30 minutes at 121°C
17.	AL/AL, 7 days 23°C

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