

Epoxies, Ect. 10-2080 HV

Polyurethane
Epoxies, Etc.

Message:

The 10-2080 and 10-2080 HV were developed to produce general purpose, semi rigid polyurethane adhesives for bonding a wide variety of plastic and metal substrates. The flexibility of these adhesives allows bonding to substrates with high coefficients of thermal expansion (CTE) and substrates with different CTE's.

The same isocyanate (iso) component is used separately with each polyol at a convenient 1:1 ratio by volume. The selection of polyol determines the initial viscosity of the adhesive. 10-2080 produces a light paste consistency similar to honey and 10-2080 HV produces a heavy paste consistency similar to grease. Please note each iso and polyol offer good low viscosity handling characteristics and turn thixotropic upon mixing.

General Information		
Features	Bondability	
	General Purpose	
	Good Adhesion	
	Good Flexibility	
	High Viscosity	
	Semi Rigid	
Uses	Adhesives	
	Bonding	
	General Purpose	
Appearance	Clear Amber	
Thermal	Nominal Value	Unit
Thermal Conductivity	0.12	W/m/K
Electrical	Nominal Value	Unit
Insulation Resistance ¹	2.4E-11	ohms
Handle Time (25°C)	25.0	min
Uncured Properties	Nominal Value	Unit
Color		
-- ²	Amber	
-- ³	Clear/Transparent	
Mix Ratio by Weight (PBW)		
Part A	100	
Part B	90	
Density		
25°C ⁴	1.05	g/cm ³
25°C ⁵	1.16	g/cm ³
Viscosity		
25°C ⁶	3.0	Pa · s
25°C ⁷	9.0	Pa · s


Curing Time	24	hr
Pot Life (25°C)	3.0 to 4.8	min
Shelf Life	3	month
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	75 to 80	
Electric Strength (3.18 mm)	> 16	kV/mm
NOTE		
1.	25°C	
2.	Part A	
3.	Part B	
4.	Part B	
5.	Part A	
6.	Part B	
7.	Part A	

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