

Epoxies, Ect. 10-2055

Polyurethane

Epoxies, Etc.

Message:

The 10-2055 and 10-2055 HV were developed to produce general purpose, semi flexible 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 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. 10-2055 produces a light paste consistency similar to honey and 10-2055 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	
	Low Viscosity	
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/cm³
25°C ⁵	1.15	g/cm³
Viscosity		
25°C ⁶	3.0	Pa · s
25°C ⁷	8.0	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)	55 to 60	
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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