

# DV-EP100

## Fast Curing adhesive for General Purposes

### DESCRIPTION

DV-EP100 is a two component, semi flexible epoxy glue displaying excellent adhesion to metals and ceramics. The DV-EP100 has thermal shock resistance over a medium range of temperatures and its flexibility avoids any deformation between the adhesive articles.

The DV-EP100 is available in yellowish/ black colors.

### PROPERTIES - UNCURED

	<u>A</u>	<u>B</u>
Color, visual .....	clear	Clear-yellow or black
Specific Gravity, g/cm <sup>3</sup> .....	1.15 +/- 0.02	1 +/- 0.03
Viscosity, ASTM-D-2393 (cps @ 25 <sup>0</sup> C)	6000-9000	9000-12000
Mix Ratio, (valium) .....	1:1	
Set time @ 25 <sup>0</sup> C, min.....	4-6	
Curing Time 1 mm thickness @ 25 <sup>0</sup> C....	3-4 hrs.	
Shelf Life, months.....	12	12

### PROPERTIES CURED

	<u>Test Methods</u>	<u>Limits</u>
Tensile lap shear, st/st, kg/cm <sup>2</sup> .....		180-190
Tensile lap shear kg/cm <sup>2</sup> .....	ASTM-D-1002	150-160
Service Temperature. (°C).....	ASTM-D-794	-20 to +80
Hardness, Shore D.....	ASTM-D-2240	65-68
Izod Impact (J/cm).....	ASTM-D-226	3
Dielectric Strength kV/mm.....	ASTM-D-149	18
Volume resistivity, Ohm-cm.....	ASTM-D-257	10 <sup>14</sup>
Flexibility.....		Semi-Flexible

### PACKAGING

DV-EP100 supplied in dual pack cartridges 25x2ml or 150x2ml, as well as in bulk 1 or 5 kg per pail.



**Devtec Technological Adhesives Ltd.**

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**Ordering Information:**

DV-EP100-50 – Clear -yellowish, duo-pack 2x25ml

DV-EP100-50B – Black, duo-pack 2x25ml

DV-EP100-300 – Clear -yellowish, duo-pack 2x150ml

DV-EP100-1KG - Clear -yellowish, duo-pack 0.5Kg + 0.5Kg metal pails



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