

# DV-EP190B

**Flexible adhesive with high thermal shock resistivity**

## DESCRIPTION

**DV- EP-190B** is a two-component flexible epoxy adhesive displaying excellent adhesion to metals and ceramics. The **DV- EP-190B** has thermal shock resistance over a medium range of temperatures and its flexibility avoids any deformation between the adhesive articles.

## PROPERTIES - UNCURED

	<b>EP-190B (A)</b>	<b>EP-190B (B)</b>
Color, visual.....	Black	Off White
Specific Gravity, g/cm <sup>3</sup> .....	1.35 g/cm <sup>3</sup>	1.22 g/cm <sup>3</sup>
Viscosity, cps @ 25°C.....	60000-75000 cps	100000-120000 cps
Mix Ratio, (Volume).....		100:100
Pot Life @ 25°C, min.....		80-90 min.
Curing Time @ 25°C, .....		2-3 hrs.
Shelf Life @ 25°C, months.....		12 months min

## PROPERTIES - CURED

	<b>Limits</b>
Tensile lap shear strength, Al/Al, kg/cm <sup>2</sup> , ASTM-D-1002.....	165-175 kg/cm <sup>2</sup>
Tensile lap shear strength, Stl/Stl, kg/cm <sup>2</sup> , ASTM-D-1002.....	225-235 kg/cm <sup>2</sup>
Service Temperature, (°C) ASTM-D-794 - Continues use.....	-40 to 85°C
Service Temperature, (°C) ASTM-D-794 - Intermittent use.....	-40 to 130°C
Hardness, Shore D, ASTM-D-2240.....	Shore D 58-62
Tensile Elongation (bulk), %.....	38-44%
Flexibility.....	Semi-Flexible
Dielectric Strength (kV/mm), ASTM-D-149.....	16 kV/mm
Volume resistivity (ohm-cm), ASTM-D-257.....	10 <sup>14</sup> ohm-cm
Dissipation Factor, ASTM-D-150.....	0.02 to 0.03
Dielectric constant, ASTM-D-150.....	4.2 to 4.4

## PACKAGING

DV- EP-190B supplied in dual pack cartridges 2x25ml.



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