

# DV-EP190G

Flexible adhesive with high thermal shock resistivity

## DESCRIPTION

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

## PROPERTIES - UNCURED

	<b>EP-190G (A)</b>	<b>EP-190G (B)</b>
Color, visual.....	Gray	Off White
Specific Gravity, g/cm <sup>3</sup> .....	1.35 g/cm <sup>3</sup>	1.22 g/cm <sup>3</sup>
Viscosity, ASTM-D-2393 cps @ 25°C...	55,000-70,000 cps	80000-100000 cps
Mix Ratio, (Volume).....	100:100	
Pot Life @ 25°C, min.....	80-90 min.	
Curing Time @ 25°C, .....	2-3 hrs.	

## PROPERTIES - CURED

	<b>Test Methods</b>	<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> ,.....		225-235 kg/cm <sup>2</sup>
Service Temperature, (°C) - Continues use.....	ASTM-D-794	-40 to 85°C
Service Temperature, (°C) - Intermittent use.....	ASTM-D-794	-40 to 130°C
Hardness, Shore D,.....	ASTM-D-2240	50-60
Tensile Elongation (bulk), %.....	ASTM-D-638	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>
Dissipation Factor,.....	ASTM-D-150	0.02 to 0.03
Dielectric constant,.....	ASTM-D-150	4.2 to 4.4

## PACKAGING

DV- EP-190G supplied in dual pack cartridges 2x25ml or 2x300ml.



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