

DV-EP5010

Clear Casting Epoxy

DESCRIPTION

DV-EP5010 is a clear, unfilled epoxy with moderate viscosity for general-purpose casting and impregnation, exhibiting excellent electrical and physical properties.

PROPERTIES - UNCURED

	<u>PART A</u>	<u>PART B</u>
Color, visual.....	Clear-	Clear
Viscosity, ASTM-D-2393 (cps @ 25 ⁰ C)	10-12,000	700
Specific Gravity	1.15 ⁺ - 0.02	1.03+/-0.02
Mix Ratio (weight)		100:30
Mix Viscosity, ASTM-D-2393 (@ 25 ⁰ C)		2500 cps
Pot Life @ 25 ⁰ C (100 gr.).....		4-5 hours
Shelf Life @ 25 ⁰ C		12 months min.

PROPERTIES - CURED

PHYSICAL

Hardness, ASTM-D-2240 (Durometer)	Shore D 88-92
Tensile Strength, ASTM D-638, kg/cm ²	650-700
Tensile Elongation, ASTM D-638	2.3-2.7 %
Flexural Strength, ASTM-D-790	1300
Compressive Strength, ASTM D-695, kg/cm ² ..	1100
Coefficient of Thermal Expansion (cm/cm. ⁰ C).	46 * 10 ⁻⁶
Heat Distortion point (conditioned in post cure).	160 ⁰ C



Devtec Technological Adhesives Ltd.

P.O.B 1397 Hod Hasharon 45112
 Offices: 19 Alexander Yanai St., Petach Tikva, ISRAEL
 Tel.+972-3-9306694 Fax.+972-3-9043717

www.devtec.co.il sales@devtec.co.il

דבטק דבקים טכנולוגים בע"מ

למכתבים: ת.ד. 1397 הוד השרון 45112
 משרדים: אלכסנדר ינאי 19, פתח תקוה
 טל'. 03-9306694 פקס. 03-9043717

ELECTRICAL

Dielectric Strength, ASTM D-149 (kV/mm) ..	18
Dielectric Constant, ASTM -D- 150	4.0
Dissipation Factor, ASTM -D- 150	0.032
Volume Resistivity, ASTM -D- 257 (ohm/cm)	$12 * 10^{15}$



Devtec Technological Adhesives Ltd.

P.O.B 1397 Hod Hasharon 45112
Offices: 19 Alexander Yanai St., Petach Tikva, ISRAEL
Tel.+972-3-9306694 Fax.+972-3-9043717

www.devtec.co.il sales@devtec.co.il

דבטק דבקים טכנולוגים בע"מ

למכתבים: ת.ד. 1397 הוד השרון 45112
משרדים: אלכסנדר ינאי 19, פתח תקוה
טל'. 03-9306694 פקס. 03-9043717