



POLYTEK® DEVELOPMENT CORP.
BCC PRODUCTS, INC.

Technical Data Sheet PolyPoxy® 5010 Laminating Epoxy

PolyPoxy® 5010 Laminating Epoxy is a high quality, low viscosity room temperature curing laminating resin. A Safety System for the production of a variety of dimensionally stable fiberglass tools. PolyPoxy® 5010 features low odor and rapid “wet-out” with no vertical drain off. An excellent general purpose laminating resin to meet the tooling requirements for automotive, aircraft and foundry.

Working Properties

Mix Ratio (Resin/Hardener)	6 to 1 by wt. 4.5 to 1 by vol.
Viscosity (Mixed) Brookfield @ 77°F	3,200 cps
Pot Life (1 lb. mass) @ 77°F	25-30 Minutes
Cure Schedule @ 77°F	8-12 Hours

Physical Properties

Specific Gravity (gms/cc)	1.36
Color	<i>White or Blue</i>
Weight/cu.in. (lbs.)	0.049
Hardness (Shore D) @ 77°F	90
Heat Distortion Temperature (°F)*	190
Tensile Strength (Ultimate) psi*	25,100
Flexural Strength (Ultimate) psi*	30,500
Flexural Modulus (psi)*	1.88 x 10 ⁶
Compressive Strength (Ultimate) psi*	38,600
Thermal Coefficient of Expansion in./in./°F	1.30 x 10 ⁻⁵

**Properties obtained from a laminate using #1500 fiberglass tooling cloth.*

DISCLAIMER: The information in this bulletin and otherwise provided by Polytek® Development Corp. is considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained by the use thereof, or that any such use will not infringe any patent. Before using, the user shall determine the suitability of the product for the intended use and user assumes all risk and liability whatsoever in connection therewith.

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