

# AQUA-RESIN<sup>®</sup>

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## Physical Properties 0.1” Fiberglass Reinforced AQUA-RESIN<sup>®</sup> Panel Mix ratio (weight): 1 part “L” / 2-3 parts “S3”

Property		Notes
Weight (sq. ft.)	1 - 1.5 lbs.	3
Density:	110 - 115 lbs/ft <sup>3</sup>	2
Flex Strength:	$8 \times 10^3 - 1 \times 10^4$ psi	1,3
Tensile Strength:	$5 - 8 \times 10^3$ psi	1,3,4
Impact:	13.5 – 14.0 ft-lb/in <sup>2</sup>	1,3
Hardness (Barcol):	10 - 30	1.5
Thermal Expansion:	$<1.2 \times 10^{-5}$	1,3
Water Absorption (24 hr):	0.90 - 1.11% (70° F)	1,2
Compressive Strength:	$5 - 9.5 \times 10^3$ psi	1,2
Freeze/Thaw:	Excellent	1,3
Flame Spread (E 84-15):	Class A, 5/10	1,3
Setting Expansion	< 0.06%	1,2

Notes:

- 1) 30 day cure prior to testing.
- 2) Standardized coupon, no glass content.
- 3) 12-15% wt. chopped strand mat content.
- 4) Tensile strength will be a function predominantly of fiberglass content, type, and strand orientation.
- 5) Barcol GYZJ 934-1

*The physical properties listed above may be considered typical for an Aqua-Resin<sup>®</sup> matrix fiberglass reinforced composite panel. However, because of both inherent variability of a two-component multiple mix-ratio material, and because of the variability in user supplied fiberglass and glass content no exact figures are reportable. Therefore, these figures are provided only as a guide.*

*The test results given here, as in the case of Flame Spread, are provided by an independent testing laboratory, or by us using appropriate test methods, or by comparison with known standards. The information provided is done so in good faith and is assumed to be accurate but since the actual performance of the material is subject to user variability, it is provided here without warranty.*