

Product Bulletin

CASS POLYMERS

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EA-607
EPOXY FAIRING ADHESIVE
SANDABLE/WHITE

0302

DESCRIPTION:

EA-607 is a sandable thixotropic paste epoxy system developed for use in the production marine industry. The convenient mix ratio of 1 to 1 by weight or volume, moderate 15-20 minute work life and easy application, make it very adaptable to production surface fairing or bonding applications. When cured, EA-607 produces a strong, durable, resilient and moisture resistant fairing surface and bond.

USES: Surface Fairing Compound for scrimmed Balsa, Lead Keels, and Fiberglass
Keel to Fiberglass Hull Adhesive
Joint Filler
General Repair and Bonding Applications

HANDLING CHARACTERISTICS (@ 25°C/77°F):

Mix Ratio (By weight or volume) 100R/100H
Density (ERF 3-82) (Mixed) 12.26 lbs/gal
Specific Gravity 1.469 gms/cc
Viscosity Thixotropic paste
Work Life (200 gm Mass) ASTM D-2471.88 15-20 minutes
Cure to Handling Strength 9-12 hours

PROPERTIES

Ultimate Tensile Strength (ASTM S-638.91) 3,917 psi
Tensile Elastic Modulus (ASTM D-638.91) 109,700 psi
Tensile Yield Strength (ASTM D-638.91) 3,808 psi
Tensile Yield Strain (ASTM D-638.91) 0.508%
Tensile Elongation (ASTM D-638.91) 0.606%
Compressive Strength (ASTM D-695.91) 7,992 psi
Compressive Yield Strain (ASTM D-695.91) 5.436%
Compressive Elastic Modulus (ASTM D-695.91) 147,400 psi
Flexural Yield Strength (ASTM D-790.92) 8,262 psi
Flexural Yield Strain (ASTM D-790.92) 13.48%
Flexural Elastic Modulus (ASTM D-790.92) 0.676 msi
Heat Deflection Temperature (ASTM D-648.82) (@ 66 psi) 46°C/115°F
..... (@ 264 psi) 44°C/111°F
Lap Shear Strength (Aluminum to Aluminum) (ASTM D-1002.72) 1,383 psi
Shore D Hardness (ASTM D-2240.91) 82
Moisture Absorption (ASTM D-570.81) 0.156%

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