Product Bulletin

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EA-618
TWO PART EPOXY ADHESIVE
ALUMINUM FILLED

0302

DESCRIPTION

EA-618 is a two-component, aluminum-filled epoxy adhesive. The easy 1 to 1 mix ratio, by weight or volume, and color coded system makes EA-618 especially easy to use. This system cures to a strong durable bond that adheres well to concrete, steel, glass and wood.

HANDLING CHARACTERISTICS @ 25°C/77°F

Mix Ratio (by weight or volume)	100R/100H
Density (Mixed)	12.4 lbs/gal
	0.053 lbs/cu in
Specific Gravity	1.49 gms/cc
Viscosity	Thixotropic Paste
Work Life (100 gm mass)	25-30 minutes
Cure Time	6 hours
Color	Gray

PHYSICAL PROPERTIES

Ultimate Tensile Strength (ASTM D-3039.93)	2,149 psi
Tensile Elongation (ASTM D-3039.93)	0.25%
Tensile Modulus (ASTM D-3039.93)	1,284,000 psi
Ultimate Flexural Strength (ASTM D-790.92)	9,104 psi
Flexural Modulus (ASTM D-790.92)	595,300 psi
Ultimate Compressive Strength (ASTM D-695.91)	8,856 psi
Moisture Absorption (ASTM D-570.88)	1.58%
Compressive Modulus (ASTM D-695.91)	168,100 psi
Lap Shear Strength (Aluminum/Aluminum)	2,600 psi
Tensile Lap Shear Strength (ASTM D-1002.83) (@ -29°C/-20°F)	1,230 psi
(@ 82°C/180°F)	437.6 psi

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