

# Product Bulletin

# CASS POLYMERS

**ADTECH**  
Plastic Systems  
SC-9001 Registered



Phone: 800 344 7776  
Fax: 248 588 5909  
815 West Shepherd Street  
Charlotte, MI 48813-0523  
plastic@casspolymers.com  
www.casspolymers.com

EA-605  
EPOXY ADHESIVE  
QUICK SET - GRAY

0302

## DESCRIPTION

EA-605 is a two component epoxy compound with excellent handling and quick curing characteristics. The white resin and black hardener, when mixed together, give a uniform gray color and positive mix indicator when no streaks of white or black are observed. The short pot life allows for early handling strength and qualifies the material for many production applications.

## USES

All general repair and bonding applications requiring a paste adhesive with fast cure characteristics.

## HANDLING CHARACTERISTICS @ 25°C/77°F

Mix Ratio (by weight or volume) ..... 100R/100H  
Density (Mixed) ..... 13.15 lbs/gal  
..... 1.58 gm/cc  
Viscosity ..... Thixotropic Paste  
Working Life ..... 8-12 minutes  
Cure (Handling Strength) ..... 3-4 hours  
Color ..... Gray  
Shelf Life (Stored in closed container at ambient temperatures) ..... 1 Year

## PHYSICAL PROPERTIES

Ultimate Tensile Strength (ASTM D-3039.93) ..... 2,060 psi  
Tensile Elongation (ASTM D-3039.93) ..... 0.26%  
Tensile Modulus (ASTM D-3039.93) ..... 262,800 psi  
Ultimate Flexural Strength (ASTM D-790.92) ..... 4,122 psi  
Flexural Modulus (ASTM D-790.92) ..... 378,900 psi  
Compressive Modulus (ASTM-D695-91) ..... 159,300 psi  
Ultimate Compressive Strength (ASTM D-695.91) ..... 6,260 psi  
Heat Deflection Temperature (ASTM D-648.82) ..... (@ 66 psi) 44°C/111°F  
..... (@ 264 psi) 39°C/103°F  
Hardness ..... 80 Shore D  
Tensile Shear Strength (aluminum/aluminum) ..... 2,875 psi

SELLER CANNOT ANTICIPATE ALL CONDITIONS UNDER WHICH SELLER'S PRODUCTS, OR THE PRODUCTS OF OTHER MANUFACTURERS IN COMBINATION WITH SELLER'S PRODUCTS, MAY BE USED. SELLER ACCEPTS NO RESPONSIBILITY FOR RESULTS OBTAINED BY THE APPLICATIONS OF SELLER'S PRODUCTS OR THE SAFETY AND SUITABILITY OF SELLER'S PRODUCTS, EITHER ALONE OR IN COMBINATION WITH OTHER PRODUCTS. USERS ARE ADVISED TO MAKE THEIR OWN TEST TO DETERMINE THE SAFETY AND SUITABILITY OF EACH SUCH PRODUCT OR PRODUCT COMBINATION FOR THEIR OWN PURPOSES. UNLESS OTHERWISE AGREED IN WRITING, SELLER DELIVERS THE PRODUCTS WITHOUT WARRANTY OF ANY NATURE, STATED OR IMPLIED, AND BUYERS AND USERS ASSUME ALL RESPONSIBILITY AND LIABILITY FOR LOSS OR DAMAGE ARISING FROM THE HANDLING AND USE OF SAID PRODUCTS, WHETHER USED ALONE OR IN COMBINATION WITH OTHER PRODUCTS. PURCHASER WAIVES ANY CLAIM AGAINST SELLER FOR DIRECT, INDIRECT, CONSEQUENTIAL OR EXEMPLARY DAMAGES AGAINST SELLER, INCLUDING WITHOUT LIMITATION, DAMAGE WHICH MAY OCCUR AS A RESULT OF PURCHASER'S USE OR MISUSE OF THE PRODUCT OR THE PRODUCT'S FAILURE TO CONFORM TO ANY PARTICULAR SPECIFICATIONS.