PRODUCT BULLETIN

ED-2016
EDGE FILL ADHESIVE
HALOGEN-FREE
FLAME RETARDANT
CORE EDGE-FILL EPOXY PASTE

ADTECH Plastic Systems

www.CASSpolymers.com **800.344.7776** **ADTECH@CASSpolymers.com**
31200 Stephenson Hwy **Madison Heights MI 48071** **Ph 248.588.2270 Fax 248.588.5909**

DESCRIPTION

ED-2016 EDGE FILL ADHESIVE is an ultra-low-density flame retardant, halogen-free material developed for edge/core filling-sealing-reinforcing of honeycomb panels. The smooth creamy consistency is ideal for application with extrusion equipment, a putty knife or a trowel. ED-2016 is color coded to ensure proper mixing and cures to a sandable condition within 4-6 hours at room temperature.

ED-2016 was formulated and tested to be in conformance with the performance requirements of BMS 5-28AF Type 28 and FAR/JAR 25.853(a).

HANDLING CHARACTERISTICS @ 25°C/77°F

Mix Ratio (parts by weight)	100R/38H
Mixed Density	0.46 grams/cc
	3.85 lbs/gal
Mixed Viscosity	Smooth Creamy Paste
Work Life (69 gram mass)	70 Minutes
Room Temperature Cure Schedule	48 Hours
Accelerated Cure Schedule	Gel at Room Temperature
	+ 5 Hours @ 52°C/125°F
Resin Color	White
Hardener Color	Yellow
Mixed Color	Pale Color
Shelf Life of Resin and Hardener (in original unopened containers)	2 years

TYPICAL PHYSICAL PROPERTIES

Tensile Lap Shear (aluminum to aluminum)	796 psi / 0.796 ksi
Compressive Strength	2,089 psi / 2.08 ksi
Compressive Modulus	99,500 psi / 99.5 ksi
JAR/FAR Flammability Testing (60 second vertical):	
Extinguish Time	0 seconds
Burn Length	0.0 inches

Complies with BMS 5-28AF Type 28 flammability testing specifications (60 second vertical) per para. 8.18 [FL3] and para. 8.19 [FL5]: Extinguish Time – 0 seconds / Burn Length 0.0 inches

24 HOUR FLUID IMMERSION PROPERTIES (% of weight change)

TT-S-735, Type lll Test Fluid	0.36%
MIL-H-5606a Hydraulic Fluid	1.65%
BMS3-11 Type IV Class 1 Grade A (Low Density Hydraulic Fluid)	2.54%
Distilled Water	3.82 %

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