



MICRO-ULTRA 15-3
 LIGHT WEIGHT
 FIRE RETARDANT FILLER
 WHITE – USE W/BPO PASTE



www.CASSpolymers.com
31200 Stephenson Hwy

800.344.7776
Madison Heights MI 48071

ADTECH@CASSpolymers.com
Ph 248.588.2270 Fax 248.588.5909

DESCRIPTION

MICRO-ULTRA 15-3 set fast filler paste is a rigid, light weight (low density) system which is fire retardant and classified "NO BURN" for the stringent requirements of the aerospace and aircraft industries. New technology and space age materials have made possible a weight reduction in applied material of 30-35%. It is an ideal material for repair and surface finishing of interior composites when *OEM regulations must be complied with. The chemical resistance of 15-3 is excellent; the system will withstand the cleaning solutions used in routine maintenance. MICRO-ULTRA 15-3 offers the user a smooth, creamy system with high physical properties and less added weight. Micro-Ultra15-3 is non-conductive and has excellent finishing properties. Micro-Ultra 15-3 has excellent bonding and filling qualities with fiberglass, SMC, BMC, RIM, FRP, graphite and Kevlar® composites. It withstands vibrations and impact without loss of bond or surface webbing. MICRO-ULTRA 15-3 can be applied by splining, squeegee, spatula or any flat type tool. Once set, it can be finished by mechanical or hand sanding or grinding. Decorative coverings are also workable; Micro-Ultra 15-3 does not bleed out. **Typical applications include: Filling porosity and cloth impression in prepreg composites, filling porosity and surface blemishes on exterior composites, surface filling on interior composites, renewing and repairing broken or cracked areas, overhaul and refinishing on interior parts, many more areas of final fabrication and finish.**

HANDLING CHARACTERISTICS @ 25°C/77°F

Mix Ratio (parts by weight or volume).....	100R/2H (red cream hardener)
Mixed Viscosity	Thixotropic Paste
Mixed Consistency.....	Creamy Paste
Specific Gravity	1.2 grams/cc
Density	10 lb/gal
Work Life (50 gram mass)	4-6 minutes
Finish Schedule.....	12-15 minutes
Hardness	75-77 Shore D
Shelf Life (in original unopened containers).....	6 months from date of receipt
Storage Requirement.....	40°F - 80°F

PHYSICAL PROPERTIES

Tensile Strength (ASTM D-638).....	1,887 psi
Flexural Strength (ASTM D-790).....	2,790 psi
Flexural Modulus (ASTM D-790).....	4.38 x 10 ⁵ psi
Compressive Strength (ASTM D-695)	5,672 psi
Heat Deflection Temperature (ASTM D-648)	127.76°F/53.2°C
Coefficient of Linear Thermal Expansion (ASTM D-696)	1.80 x 10 ⁻⁵ in/in°F
Water Absorption (ASTM D-570)	0.819%
(after 24 hours immersion in distilled water)	

Note: To increase work time, decrease cream hardener by one part
 To decrease work time, increase cream hardener by one part

*Ref: FAR 25.853a / Boeing BMS 5-136a Type II Class 1 / DeHaviland DSC-206-1/DSC-206-2/DSC-206-3 / Cessna CMNP004, Rev. A Type I Class B Grade A / Grumman Standard GR110RH1

® Registered trademark of E.I. DuPont deNemours

P15-3 Tech/Revised 3/16/10
 Supercedes 1/22/10

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 application 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 incur as a result of purchaser's use or misuse of the product or the products failure to conform to any particular specifications.