

### Technical Data Sheet Avialite Type 3

Trade Name: Avialite Type 3 Plastic Media  
Description: Melamine Amino Plastic Media  
Part Reference: T3C & T3M  
Original Issue Date: October 2010 (by Mac'Ants)  
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### SECTION 1 Chemical Analysis

Plastic Medias were initially devised in the mid 1980's by the US Military, both Air and Navy, successive developments and research into materials led the way to thermoset urea amino products. Our medias are manufactured from prime cured mouldings and comply with the stringent requirements of Mil-P-85891 specifications, from gradation to hardness and composition. We are proud to have one of the world's most efficient plants for producing this product. This media was designed for removal of paint and coatings from aluminium and composite materials without damaging these substrates. There is a vast array of other applications that can use this material and in the hands of a skilled operator large time and cost savings can be achieved against chemical and other forms of stripping. However it must be born in mind that the Type 3 (melamine) media has up to x 6 the aggression of Type 2 (Urea) media. We can offer C variants of this range as commercial quality or M variants with compliance to Mil-P- 85891A specification.

Substance	CAS No	EC No	Typical Content %
Thermoset Melamine Amino Polymer	9011-05-6	N/A	66-70
Cellulose	9004-34-6	232-674-9	30-3
Titanium Dioxide (Pigments)	13463-67-7	236-675-5	<0.8
Iron Oxide	1309-37-1	236-675-5	<0.01
Zinc Stearate	557-05-1	209-151-9	<0.01
Barium Sulfate	7727-43-7	231-784-4	<0.01
Lankrostat® QAT, Anti-static solution	<0.001	68989-03-7	N/A

### SECTION 2 Physical Properties

Shape	Semi-cubical to angular
Colour	Multi-colour (Jazz)
Specific Gravity	1.4 – 1.6 g/cc
Bulk Density	0.70 g/cc
Hardness	62-74 Barcol. 3.5 -4 Moh
Packaging	25kg woven polypropylene sacks Or fibre drums of 50 Kgs or 125 Kgs

## **SECTION 3**

### **Particle Size Distribution**

All standard Mil spec grades; 12/16, 16/20, 12/20, 20/30, 30/40, 20/40, 40/60, 60/80. Bespoke sizes on request.

## **SECTION 4**

### **Compliance**

Not a hazardous product as specified in directive 67/548/CE and exempt under REACH Regulation 1907/2006 (re-cycled material and polymer category exemption)

Special Precautions. In use, protection is required to meet threshold limit values for general dusts of 10 mg/m<sup>3</sup> (for total inhalable dust) and 5 mg/m<sup>3</sup> (respirable dust). The user must establish any hazards present in the surface coatings being removed, which may reduce the occupational exposure standard (O.E.S.).

## **SECTION 5**

### **Disposal**

The abrasive must be disposed of in accordance with national legislation (See Section 16) and local regulations. The material as supplied is classed as a non-hazardous inert solid waste. Spent abrasive used as a blasting medium must be disposed of under classification 12 01 16 (waste blasting material containing dangerous substances) or 12 01 17 (waste blasting material other than those mentioned in 12 01 16). The waste producer must determine if hazardous substances in the coating being removed are likely to cause the waste to be hazardous.

## **SECTION 6**

### **Handling and Storage**

Load per pallet should not exceed 1 tonne and the pallets should not be stacked more than two high. Material should be kept dry.