

Technical Data Sheet Avialite Type 5

Trade Name:	Avialite Type 5 Plastic Media
Description:	'Mil'spec acrylic plastic media to US military specification Mil-P-85891A
Part Reference:	T5M
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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 thermoplastic acrylic products. Our medias are manufactured from prime plastic sections 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. Ideal for stripping of coatings from composite components.

Substance	CAS No	EC No	Typical Content %
Poly Methyl metacrylate polymer	9011-14-7	N/A	99.4
Titanium Dioxide (Pigments)	13463-67-7	236-675-5	<0.8
Lankrostat® QAT, Anti-static solution	<0.002	68989-03-7	N/A

SECTION 2 Physical Properties

Shape	Semi-cubical to angular
Colour	Multi-colour (Jazz) to white/grey
Specific Gravity	1.15 – 1.2 g/cc
Bulk Density	0.58 – 0.65g/cc (subject to grade)
Hardness	46 -54 Barcol. 2.5 – 3.0 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/m³ (for total inhalable dust) and 5 mg/m³ (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.