



# Magnesium Elektron

SERVICE & INNOVATION IN MAGNESIUM

# Fine Magnesium Powders

Datasheet : 343

Magnesium Elektron UK,  
P.O. Box 23, Rake Lane, Swinton, Manchester, M27 8DD, England.  
Tel: 0161 911 1000 Fax: 0161 911 1010  
Web: [www.magnesium-elektron.com](http://www.magnesium-elektron.com) VAT No: GB 668 2142 26

A Division of MAGNESIUM ELEKTRON LIMITED. Registered in England No. 3141950.  
Registered Office: The Victoria, 150-182 Harbour City, Salford Quays, Salford, M50 3SP  
A Luxfer Group Company

# Fine Magnesium Powders

## GENERAL DESCRIPTION

Fine powder products are made from minimum 99.8% purity magnesium ingot and are less than 100 mesh (150 µm). By-down products, ie powders which pass through a particular sieve, such as RMC-200, are readily available. Powders available in narrow particle size bands, such as between 100 mesh and 200 mesh (150 µm to 75 µm), exhibit ELEKTRON's excellent size classification control.

'BS' grade fine powders demonstrate ELEKTRON's unique capability to produce powders consisting of oblong chip-like particles with rounded edges. Accurate process control ensure that predetermined particulate morphologies can be achieved.

ELEKTRON's fine magnesium powders are manufactured to the following military specifications: MIL-DTL-382D, MIL-P-14067B type IV and Defence Standard 13-130/1. They can also, on request, be reduced in size to meet customers' own mesh specifications.

The typical use of fine magnesium powders is in pyrotechnic devices, such as signal flares, fireworks and military illuminating and infrared countermeasure (IRCM) flares.

## STANDARD FINE MAGNESIUM POWDER PRODUCTS

| PRODUCT        | NOMINAL         | SIZING           | PACKAGING   |
|----------------|-----------------|------------------|---|
| RMC-100 to 200 | 100/200 mesh    | (150 µm to 75µm) | 68 kgs of product packed in a<br>114 litre steel drum |
| RMC-50         | Minus 50 mesh   | (-300µm)         |   |
| RMC-60         | Minus 60 mesh   | (-250µm)         |   |
| RMC-80         | Minus 80 mesh   | (-180µm)         |   |
| RMC-100        | Minus 100 mesh  | (-150µm)         |   |
| RMC200/325     | 200 to 325 mesh | (75 µm to 45µm)  |   |
| RMC-200        | Minus 200 mesh  | (-75µm)          |   |
| RMC-325        | Minus 325 mesh  | (-45µm)          |   |
| RMC-200/325BS  | 200 to 325 mesh | (75 µm to 45µm)  |   |
| RMC-325 BS     | Minus 325 mesh  | (-45µm)          |   |



Certificate No. FM12677