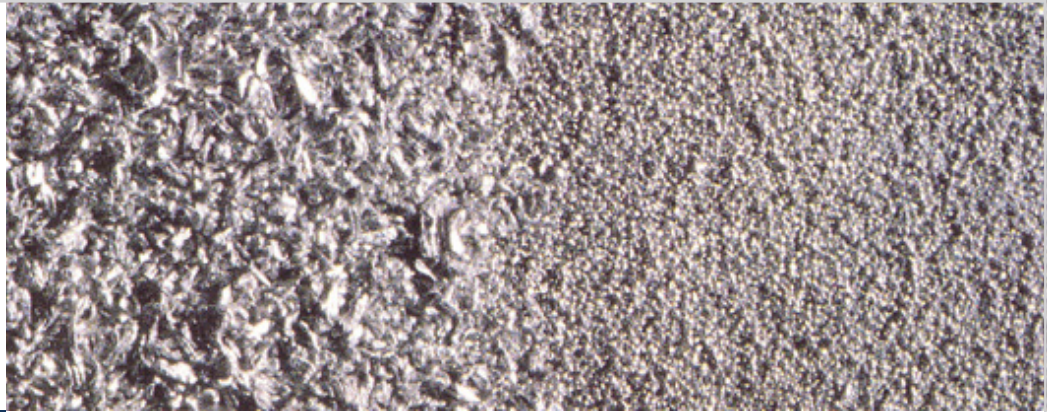




**LUXFER**  
MAGTECH



## Applications

Magnesium chips are commonly used in Grignard reactions for specialty chemical, pharmaceutical and agricultural applications.

For more detailed information, please contact:

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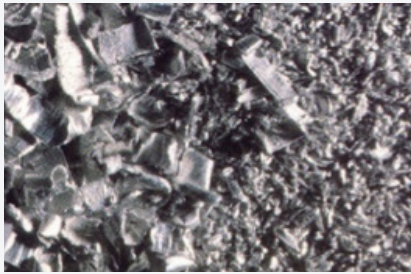
# Magnesium Chips & Granules

Magnesium chips, also known as magnesium turnings, and granules are produced by mechanically processing standard-purity (99.8% Mg) or ultra-high-purity (99.98% Mg) magnesium ingots. The process can be adjusted to produce magnesium chips and granules that meet different shape, size, and surface area requirements.

## Available Sizes

Product	Nominal Mesh Size
RMC-3	1/2" L x 1/8" W x 0.01" T
HMI-5/18	+5 mesh: 2% max. +10 mesh: 30-85% +20 mesh: Balance -20 mesh: 2% max.
LMS-4/30	+4 mesh: 2% max. +30 mesh: 98% min. -30 mesh: 2% max.
RMC-5A	+6 mesh: 2% max. +16 mesh: 35-85% +50 mesh: Balance -50 mesh: 10% max.
RMC-6	+10 mesh: 2% max. -40 mesh: 5% max. -60 mesh: 0.1% max.

\*Custom chips and granules available upon request.



## Chemical Composition

Standard Purity Magnesium*		
Element		%
Cu	<	0.02
Pb	<	0.01
Mn	<	0.10
Ni	<	0.001
Na	<	0.006
Sn	<	0.01
Other Elements, each	<	0.05
Total of all impurities	<	0.20
Mg	≥	99.8

\*Grade 9980A UNS M19980 per ASTM B92

Ultra-High Purity (UHP) Magnesium		
Element		%
Al	<	0.008
Mn	<	0.005
Zn	<	0.001
Ca	<	0.001
Zr	<	0.005
Si	<	0.005
Cu	<	0.001
Fe	<	0.007
Ni	<	0.001
Pb	<	0.002
Na	<	0.001
Ti	<	0.010
Sn	<	0.002
Other Elements, each	<	0.010
Mg	≥	99.98

## About Us

Luxfer Magtech is the leading manufacturer of magnesium chips, granules, powders and pieces used in diverse industries worldwide. As a founding member of the International Magnesium Association with over 75 years of experience, customers trust us to develop unique solutions for their critical applications. We manufacture and market an array of ground and inert-gas atomized powder products – pure magnesium, magnesium alloys (including our proprietary Elektron® MAP branded products) and PTFE powders.

Our ability to control particle shape and size and to reproduce particle size distributions and particle morphology from drum-to-drum and lot-to-lot sets us apart in the metal powders industry. Customized packaging and short lead times allow us to serve a number of industries including defense, aerospace, healthcare, pyrotechnics, chemical processing, and a number of other industrial and commercial applications.

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