

**MATERION****DATA SHEET**

Beryllium Foils Purity Specifications

Beryllium Purity Specifications Chart

Material	Symbol	IF-5™	PF-60® ppm	PS-200® ppm
Beryllium	Be	99.5%	99.0%	98.5%
Aluminum	Al	500	500	1,000
Beryllium Oxide	BeO	2,000	8,000	15,000
Boron	B	–	3	*
Cadmium	Cd	–	2	*
Calcium	Ca	100	100	*
Carbon	C	600	600	1,500
Chromium	Cr	100	100	*
Cobalt	Co	10	10	*
Copper	Cu	100	100	*
Iron	Fe	800	800	1,300
Lead	Pb	20	20	*
Lithium	Li	–	3	*
Magnesium	Mg	490	490	800
Manganese	Mn	100	100	*
Molybdenum	Mo	50	20	*
Nickel	Ni	200	200	*
Silicon	Si	400	400	600
Silver	Ag	10	10	*
Titanium	Ti	300	–	*

* Other metallic impurities comprise less than 400 ppm each as determined by normal spectrographic methods.

Health & Safety Note: Processing beryllium-containing alloys poses a health risk if safe practices are not followed. Inhalation of airborne beryllium can cause serious lung diseases in some individuals. Occupational safety and health regulatory agencies worldwide have set mandatory limits on occupational respiratory exposures. Read and follow the guidance in the Safety Data Sheet (SDS) before working with this material. The SDS and additional important beryllium health and safety information and guidance can be found at <https://berylliumsafety.com>, <https://berylliumsafety.eu> and <https://Materion.com>. For questions on safe practices for beryllium-containing alloys, contact the Materion Product Stewardship Group at +1.800.862.4118 or contact us by email at Materion-PS@Materion.com.

Disclaimer:

Only the buyer can determine the appropriateness of any processing practice, end-product or application. Materion does not make any warranty regarding its recommendations, the suitability of Materion's product, or its processing suggestions for buyer's end product, application or equipment.

The properties presented on this data sheet are for reference purposes only, intended only to initiate the material selection process. They do not constitute, nor are they intended to constitute, a material specification. Material will be produced to one of the applicable industry standards, if any, listed in the Industry Standards and Specification section.

Actual properties may vary by thickness and/or part number. Please contact your local sales engineer for detailed properties to be used in simulation.

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