

## **Description**

## The material

Datasheet only intended for use with the Eco-Audit tool, not for general information.

General	properties
Our or ar	p. 0 p o. 1.00

Price	* 2.05e4	-	2.26e4	USD/lb
Geo-economic data for principal component Annual world production Reserves	166 6.99e4	-	184	ton/yr I. ton
Primary material production: energy, CO2 and Embodied energy, primary production CO2 footprint, primary production Water usage Eco-indicator 95	* 2.78e7 * 1.4e4 * 2.23e4 7e6		1.55e4	kcal/lb lb/lb gal(US)/lb millipoints/kg
Material processing: energy Casting energy Extrusion, foil rolling energy Rough rolling, forging energy Wire drawing energy Metal powder forming energy Vaporization energy Coarse machining energy (per unit wt removed) Fine machining energy (per unit wt removed) Grinding energy (per unit wt removed) Non-conventional machining energy (per unit wt removed)	* 750 * 148 * 89.6 * 471 * 3.19e3 * 4.89e5 * 60.2 * 140 * 228 4.89e3		164 99 521 3.52e3 5.4e5 66.6 154 251	kcal/lb kcal/lb kcal/lb kcal/lb kcal/lb kcal/lb kcal/lb kcal/lb
Material processing: CO2 footprint Casting CO2 Extrusion, foil rolling CO2 Rough rolling, forging CO2 Wire drawing CO2 Metal powder forming CO2 Vaporization CO2 Coarse machining CO2 (per unit wt removed) Fine machining CO2 (per unit wt removed) Grinding CO2 (per unit wt removed) Non-conventional machining CO2 (per unit wt removed)	* 0.519 * 0.103 * 0.062 * 0.326 * 2.35 * 338 * 0.0417 * 0.0966 * 0.158 3.38		0.0685 0.36 2.6 374 0.0461	Ib/Ib
Material recycling: energy, CO2 and recycle for Recycle Embodied energy, recycling CO2 footprint, recycling Recycle fraction in current supply Downcycle Combust for energy recovery Landfill Biodegrade A renewable resource? Environmental notes	* 8.41e5 * 610 2.81 * *	- - -	9.28e5 674 3.11	kcal/lb lb/lb %

Page 2 of 2

The recycling energy and CO2 values refer to objects made from the precious metal, not the precious metal when used as a alloying agent or finely-dispersed catalyst (for which the recycling energy and CO2 is much higher).

## Links

**Producers**