



Magnesium Creep-resistant Casting Alloys For Elevated Temperature Applications (Magnesium Superalloys)

End-use

Production of castings to manufacture articles scheduled for use in elevated temperature environment up to + 250°C.

Form

Trapezoidal ingots 8+/-1 kg by weight. Other ingot weight could be discussed.

Packing

Bundles covered by plastic film, steel or polymer strapped. Material could be strapped on wooden or magnesium alloy pallet for transportation purposes.

Specification

Alloy composition and impurities level could be discussed if required by the Buyer.

Grade	Alloying elements, %							Impurities, % max								
	Mg	Zn	Zr	Nd	La	In	Y	AL	Si	Fe	Ni	Cu	Zn	Be	Others	Σ
ML9	основа	-	0.4-1.0	1.9-2.6	-	0.2-0.8	-	0.02	0.03	0.01	0.005	0.03	0.15	0.001	0.10	0.35
ML10	основа	0.1-0.7	0.4-1.0	2.2-2.8	-	-	-	0.02	0.03	0.01	0.005	0.03	-	0.001	0.12	0.2
ML12	основа	4.0-5.0	0.6-1.1	-	-	-	-	0.02	0.03	0.01	0.005	0.03	-	0.001	0.12	0.2
ML15	основа	4.0-5.0	0.7-1.1	-	0.6-1.2	-	-	0.02	0.03	0.01	0.005	0.03	-	-	0.12	0.2
ML19	основа	0.1-0.6	0.4-1.0	1.6-2.3			1.4-2.2	0.03	0.03	0.01	0.005	0.03	-	0.001	0.14	0.25