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KES

Magnesium Alloy Plate

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Explanation



1. Scope of Application

The standard specifies rooled magnesium alloy plate(herinfte refer to as "plate").

2. Types and Symbols

Types and symbols shall conform to Table 1.

Table 1. Types and Symbols

Types	Symbols	Reference
		Special Characeristics and Utility
Type 1	MP 1	light-weight, goos malleability, can be used for structiuring electrode plate
Type 4	MP 2	light-weight, proper strength, proper ductility, good malleablility, can be used for structuring.
Type 5	MP 3	light-weight, high strength
Type 7	MP 4	light-weight, superb malleability, superb secondary workability, can be used for electrode plate

3. Quality

3.1 External appearance

The plate shall have good finishing and uniform. It shall not have any scratch, splint, or other defects that could be harmful in utility.

3.2 Chemical composition

Chemical composition of the plate shall conform to Table 2.

Table 2. Chemical Composition

Types	Chemical Composition (%)									
	Al	Zn	Zr	Mn	Fe	Si	Cu	Ni	Ca	Others
Type 1	2.5-3.5	0.50-1.5	0.50-1.5	0.15 or more	0.010 or less	0.10 or less	0.10 or less	0.005 or less	0.04 or less	0.30 or less
Type 4	*	0.80-1.5	0.80-1.5	*	*	*	0.03 or less	0.005 or less	*	0.30 or less
Type 5	*	2.50-4.0	2.50-4.0	*	*	*	0.03 or less	0.005 or less	*	0.30 or less
Type 7	1.5-2.4	0.50-1.5	0.50-1.5	0.15 or less	0.010 or less	0.10 or less	0.10 or less	0.005 or less	*	0.30 or less

[Note] The other elements shall be analyzed if their chemical compositions are know.

Remark Referring to the contents of Al, Zr, Mn, Fe, Si, and Ca, "*" shall be treated as "others".