

LIST OF ABBREVIATION

Abbreviations	Full Form
Mg	Magnesium
Al	Aluminium
Mn	Manganese
Fe	Iron
Cu	Copper
Ni	Nickel
Zn	Zinc
CM alloy	Magnesium-Copper-Manganese alloy
NM alloy	Magnesium-Nickel-Manganese alloy
CP	Commercial Purity
HP	High Purity
DC	Die Casting
SC	Sand Casting
IC	Investment Casting
PM	Permanent Mold
E	Extrusion
F	Forging
P	Plate
FCC	Face Centered Cubic
HCP	Hexagonal Close-packed Structure
LPSO	Long Period Stacking Ordered
HER	Hydrogen Evolution Rate
SEM	Scanning Electron Microscope
EDS	Energy Dispersive Spectroscopy
XRD	X-ray Diffraction
OM	Optical Microscopy
UTS	Ultimate Tensile Strength
YS	Yield Strength
MPY	Mils Per Year

LIST OF SYMBOLS

Symbols	Description
et.al.	and others
°C	Degree Celsius (centigrade)
α	Alpha
kg	Kilogram
D	Density
D	Diameter
M	Mass
l	Length
mm	Milimeter
mg	Miligram
cc	Centimeter cube
cm	Centimeter
μ	Micron
%	Percentage
ppm	Parts per million
Sec	Second
% E	% Elongation
wt.%	Weight Percentage
at. %	Atomic Percentage
θ	Theta
HV	Vicker's Hardness