



**ENERGY**  
S Y S T E C H

## PHYSICAL PROPERTIES OF ZINC ALLOYS

Physical Property	ZAMAK 2 ZnAl4Cu3	ZAMAK 3 ZnAl4	ZAMAK 5 ZnAl4Cu1	ZA 8 ZnAl8Cu1	SUPERLOY ZnAl7Cu3
Density (g/cc at 20°C)	6.8	6.6	6.7	6.3	6.5
Solidification range (°C)	379-390	381-387	380-386	375-404	377
Shrinkage in %	4 - 5	4 - 5	4 - 5	8	7
Coef of Lin. thermal expansion /°C	$27.8 \times 10^{-6}$	$27.4 \times 10^{-6}$	$27.4 \times 10^{-6}$	$23.2 \times 10^{-6}$	$25 \times 10^{-6}$
Electrical conductivity (% IACS)	25	27	26	27.7	22.9