



CASTING

ALLITE® SUPER MAGNESIUM™ WE54 is designed for excellent castability and offers weight reduction without compromising performance. It maintains its mechanical properties at elevated temperatures and offers excellent machinability.

PROPERTY	ASM – WE54	AM60	AZ91D
DENSITY	1.84	1.79	1.82
ELASTIC MODULUS	48	45	45
YIELD STRENGTH	200	130	160
ULTIMATE TENSILE STRENGTH	302	220	230
ELONGATION	4	8	3
THERMAL CONDUCTIVITY	78	61	50
THERMAL EXPANSION	27	26	26
MELTING TEMP - °F	986-1175	1005-1140	875-1105
MELTING TEMP - °C	530-635	540-615	470-595