



AM60

Composition (wgt %): Mg-6Al-0.1Zn-0.35Mn

Room Temperature Tensile Properties:

<u>Treatment</u>	<u>Test Direction*</u>	<u>YS, MPa</u>	<u>UTS, MPa</u>	<u>Elong, %</u>
As Thixomolded	--	135	240	10
As TTMP	0°	305	323	13
TTMP + 10 min/285°C	0°	266	304	15
TTMP + 10 min/285°C	45°	262	302	15
TTMP + 10 min/285°C	90°	263	301	15
TTMP + 25 min/275°C	0°	250	300	16
TTMP + 25 min/275°C	45°	266	302	10
TTMP + 25 min/275°C	90°	268	302	16

*Compared to Rolling Direction

Sheet Thickness: 0.8 to 2.5mm

Formability: Room Temperature – Radius of 0.60 inches

Liquidus Temperature: 611°C

Alpha Solidus Temperature: 508°C

Eutectic Temperature: 420°C

Microstructure: Grain Size - 2µm
Precipitate Size – 30-300 nanometers