

MA Group Meeting

July 11, 2013

Material Properties

			Al 6061	Al 2090	Al 2195	AlBeMet 162	Be	AlBeMet	Be
								20° K	20o K
Density	g/cc		2.70	2.59	2.63	2.07	1.84		
Ultimat TS	mPa		125	531	609	435	370	550	398
Yield	mPa		55	483	575	321	240	450	

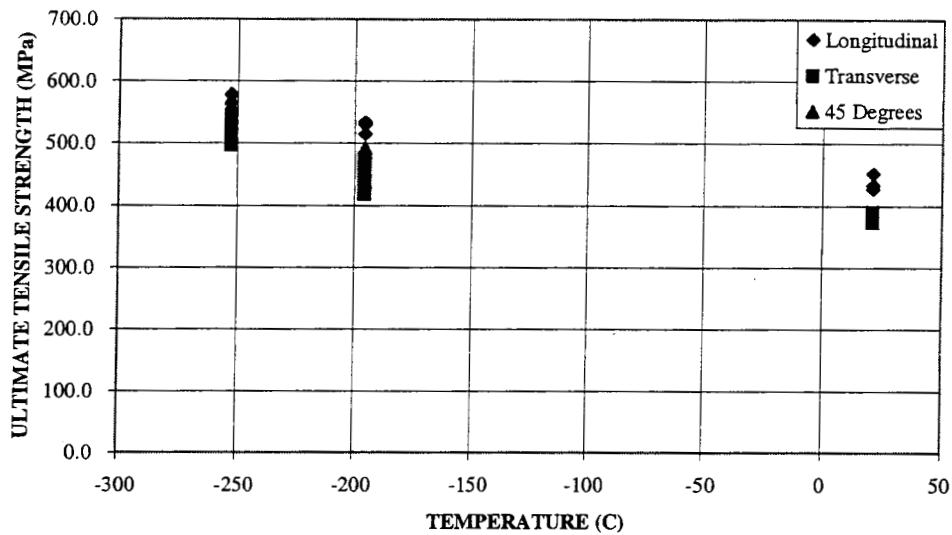


Figure 3: AlBeMet162 ultimate tensile strength versus temperature.

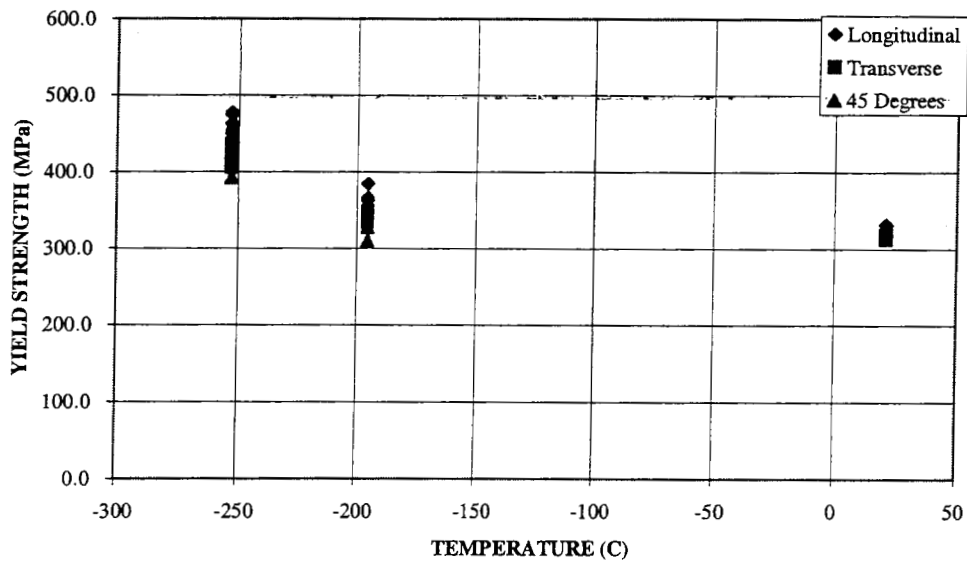


Figure 4: AlBeMet162 yield strength versus temperature.

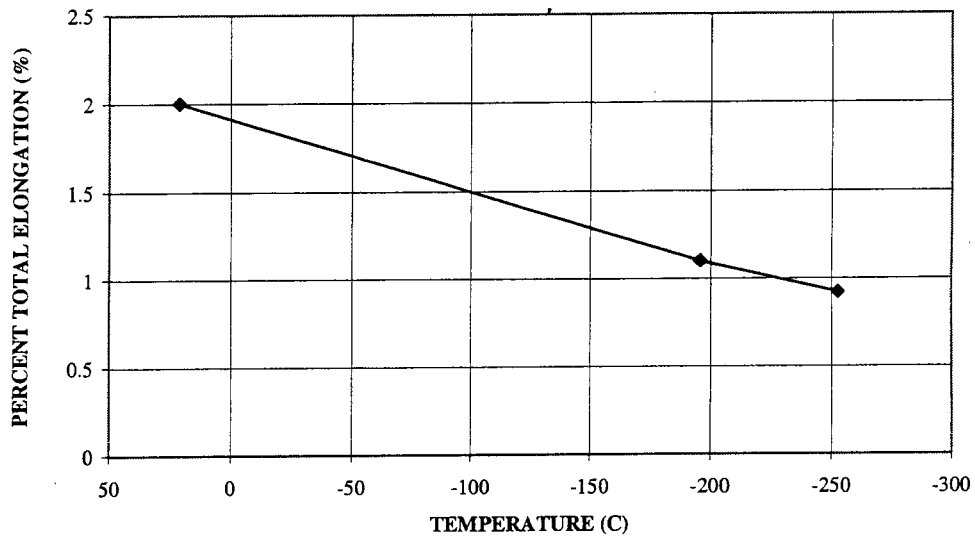


Figure 7: AlBeMet162 design property for percent elongation versus temperature.

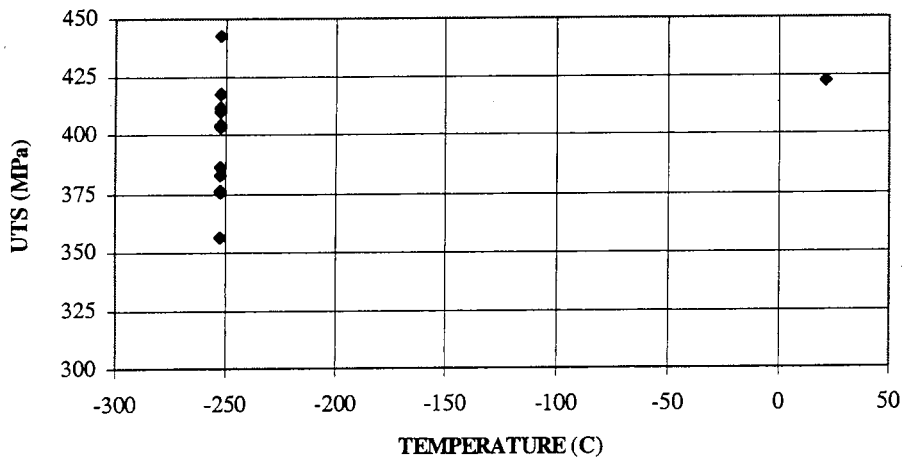


Figure 8: O-30H Beryllium ultimate tensile strength versus temperature.