

Tilite® Alloys

Physical Properties						
	Star	Premium	"V"	Omega	Luminite PFM	Luminite Press
Color	Silver	Silver	Silver	Silver	Silver	Silver
C.T.E. @ 500°C	14.5	14.0	13.6	13.2	14.1	13.1
C.T.E. @ 600°C	14.6	14.1	13.7	13.4	14.2	13.3
Melting Range	2200-2375°F / 1204-1302°C	2200-2375°F / 1204-1302°C	2200-2375°F / 1204-1302°C	2200-2375°F / 1204-1302°C	2200-2375°F / 1204-1302°C	2200-2375°F / 1204-1302°C
Casting Temp.	2425°F / 1329°C	2425°F / 1329°C	2425°F / 1329°C	2425°F / 1329°C	2425°F / 1329°C	2425°F / 1329°C
Brinnell Hardness	205	215	225	240	216	242
Yield Strength (psi)	115,000	96,000	98,000	100,000	96,000	105,000
Tensile Strength (psi)	155,000	154,000	148,000	135,000	155,000	139,000
Elongation (%)	12	11	10	8	11	8
Specific Gravity (gm/cc)	7.7	7.7	7.7	7.7	7.7	7.7