

TABLE 1

Longitudinal Ultrasonic Wave Velocities

Alloy	Pressure Range (kb)	Slope ($\times 10^2$ cm/sec/kb)	Velocity at Atmospheric Pressure ($\times 10^5$ cm/sec)
γ -Ag ₃ Sn	0-50	10.35 \pm 0.64%	3.82 \pm 0.05%
γ_1 -Ag ₂ Hg ₃	0-50	11.52 \pm 1.1%	3.05 \pm 0.12%
γ_2 -HgSn ₇₋₈	0-20	9.55 \pm 1.9%	3.23 \pm 0.08%
	20-50	11.13 \pm 1.2%	

Shear Ultrasonic Wave Velocities

Alloy	Pressure Range (kb)	Slope ($\times 10^2$ cm/sec/kb)	Velocity at Atmospheric Pressure ($\times 10^5$ cm/sec)
γ -Ag ₃ Sn	0-25	2.54 \pm 2.7%	1.77 \pm 0.06%
	25-50	3.85 \pm 1.9%	
γ_1 -Ag ₂ Hg ₃	0-50	3.99 \pm 0.93%	1.42 \pm 0.09%
γ_2 -HgSn ₇₋₈	0-20	3.98 \pm 1.0%	1.54 \pm 0.35%
	20-50	5.31 \pm 1.9%	