

substance: CoO
property: elastic moduli, Debye temperature

elastic moduli
(in 10^{11} dyn cm⁻²)

c_{11}	27.7	$T = 425$ K	c_{11} shows a sharp decrease at $T = T_N$ to $\approx 18 \cdot 10^{11}$ for $T < T_N$	68S
	30.7	$T = 110$ K		68S
	25.56(11)	$T = 296$ K		72U
	26.2	$T = 295$ K		74D
c_{12}	18.0	$T = 425$ K		68S
	18.3	$T = 110$ K		68S
	14.36(15)	$T = 296$ K		72U
c_{44}	9.1	$T = 425$ K		68S
	9.0	$T = 110$ K		68S
	8.03(05)	$T = 296$ K		72U

Debye temperature

Θ_D	513 K	$T = 298$ K	from elastic constants	78S
	517 K	$T = 298$ K	from elastic constants	81F

References:

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