

# Structure Data of Free Polyatomic Molecules

<b>3</b>	<b>AgArF</b>	<b>Argon – silver fluoride (1/1)</b>	<b>C<sub>∞v</sub></b>
MW		(weakly bound complex)	(effective symmetry class) (large-amplitude motion) Ar · AgF
	$r_0$	$\text{\AA}^a$	
	Ag–F	1.98605(100)	
	Ar...Ag	2.55813(100)	

The complex is linear and rather rigid in the ground vibrational state. The Ar...Ag stretching wavenumber is *ca.* 140 cm<sup>-1</sup>.

<sup>a</sup>) Uncertainties were not estimated in the original paper.

Evans, C.J., Gerry, M.C.L.: J. Chem. Phys. **112** (2000) 1321.