

Substances: properties

Type	Example	Melting point	Solubility in water	Electric properties	Mechanical properties
Ionic	NaCl	High	Yes	Conductor when: •melted •dissolved	Brittle
Covalent molecular	O ₂	Low	Only polar molecules	Insulator	---
Covalent atomic	C (Diamond)	Very high	No	Insulator	Very hard
Metallic	Fe	High	No	Conductor	Malleable Ductile