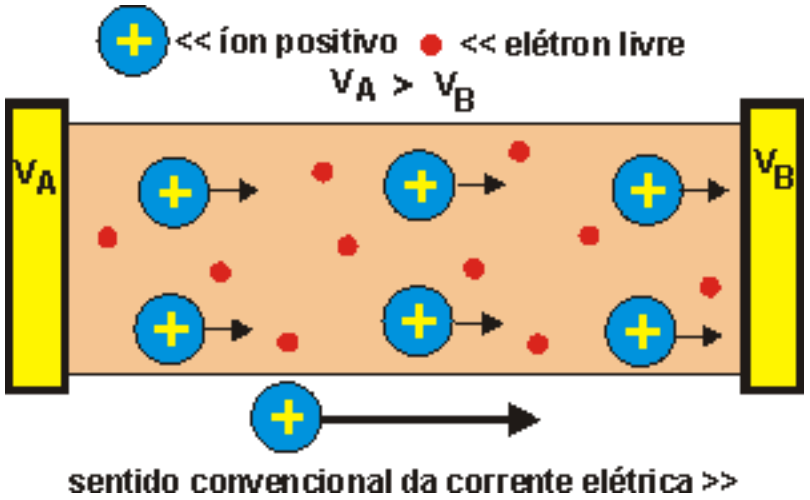
Materiais Isolantes II

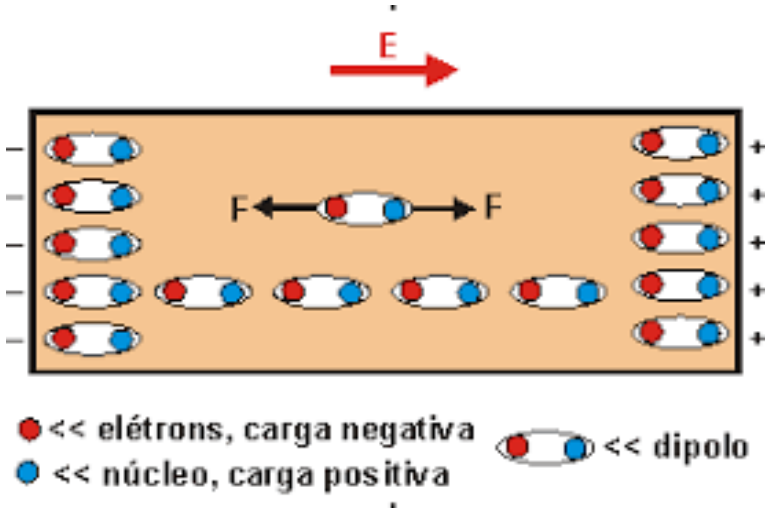
Exemplos de aplicação

Condutores x Dielétricos

Condutores



Dielétricos



Rigidez Dielétrica

Material	Rigidez Dielétrica (V/m)
Ar	3×10^6
Baquelite	24×10^6
Borracha de Neopreno	12×10^6
Nylon	14×10^6
Papel	16×10^6
Polistireno	24×10^6
Vidro Pyrex	14×10^6
Quartzo	8×10^6
Óleo de Silicone	15×10^6
Titanato de Estrôncio	8×10^6
Teflon	60×10^6

Propriedades dos Materiais Isolantes

Elétricas

Mecânicas

Térmicas

Químicas

Classificação dos Materiais Isolantes

Gases

Líquidos

Sólidos

Isolantes Gasosos

Ar

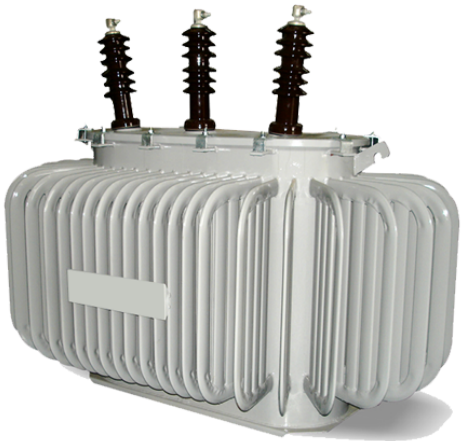
Hexafluoreto de Enxofre (SF6)

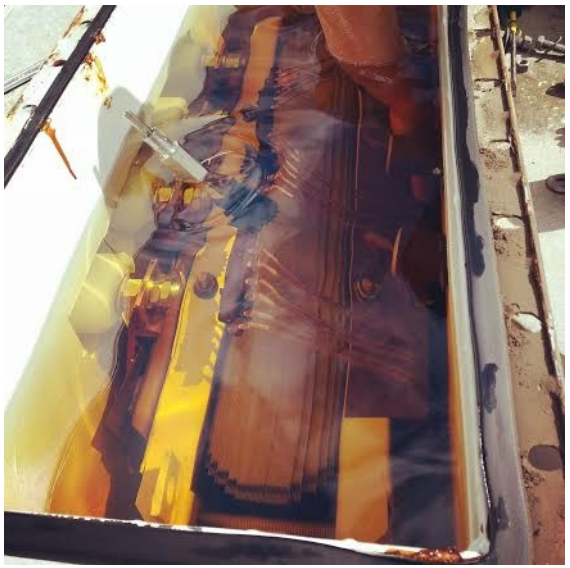
Isolantes Líquidos

Água ?

Isolantes Líquidos

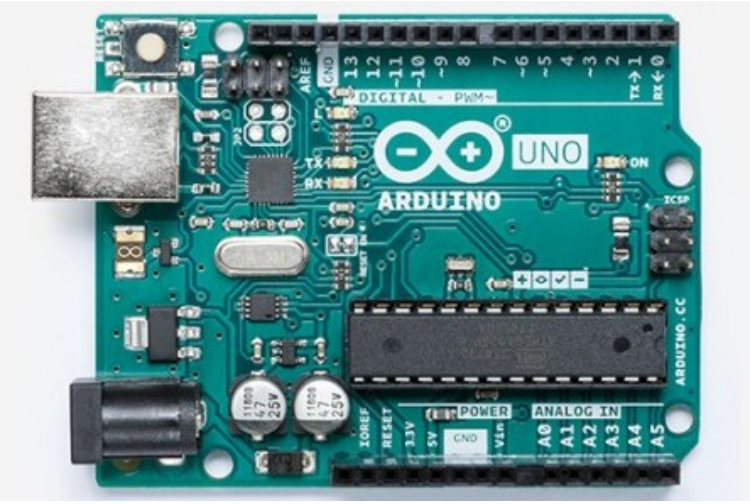
Óleos

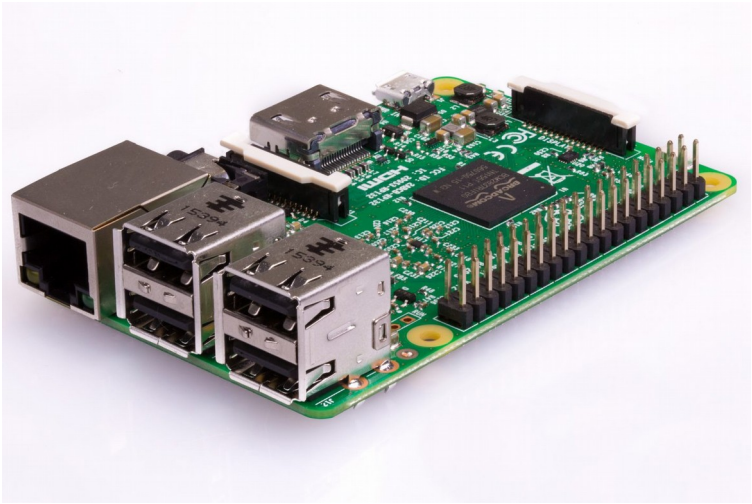




Isolantes Sólidos

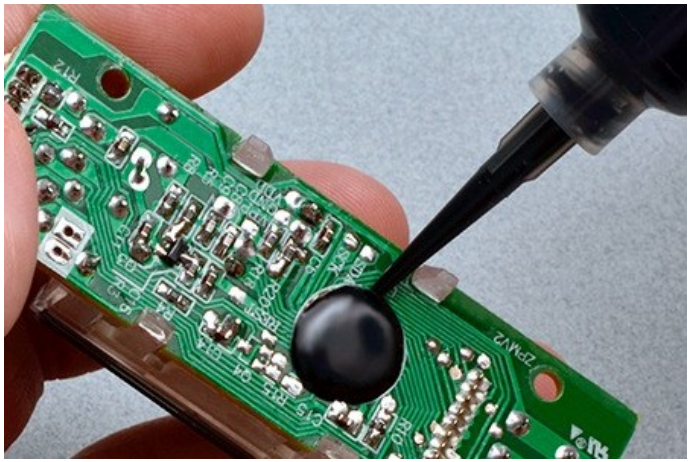
Vernizes





Isolantes Sólidos

Resinas



Isolantes Sólidos

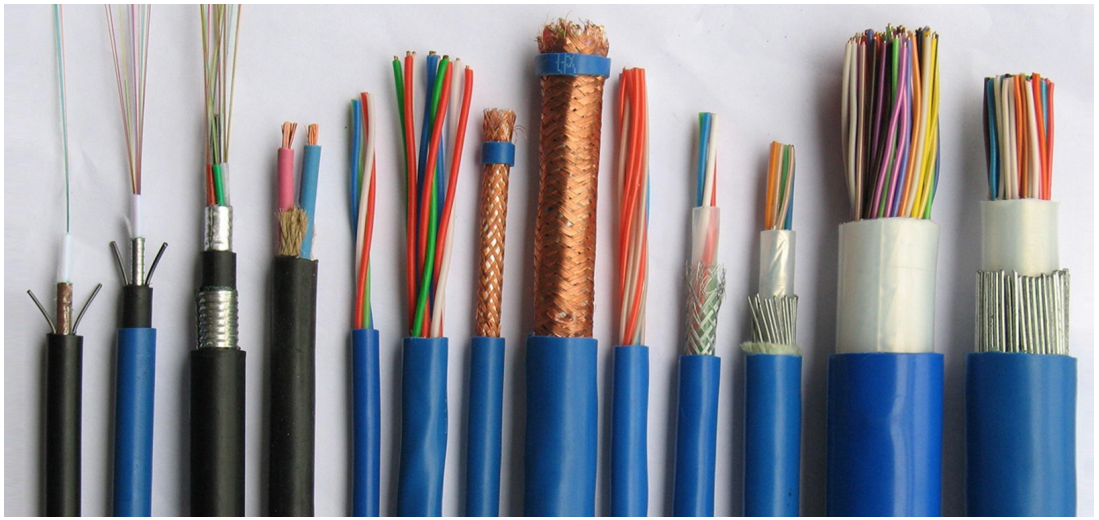
Cerâmica

Isolantes Sólidos

Borracha

Isolantes Sólidos

Plásticos



Isolantes Sólidos

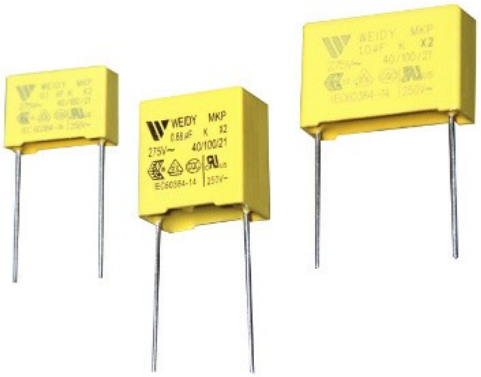
Silicone e Mica

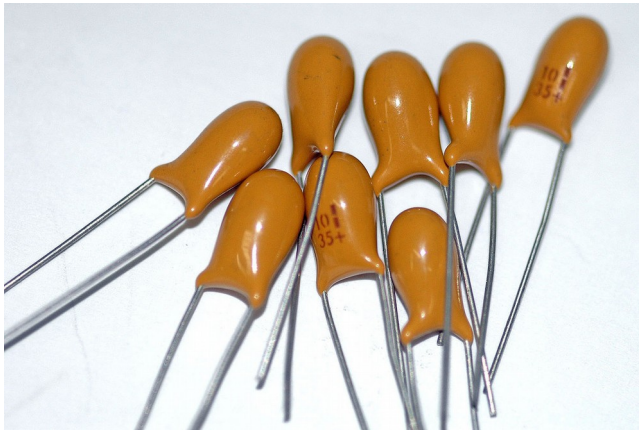
Isolantes Sólidos

Madeira *

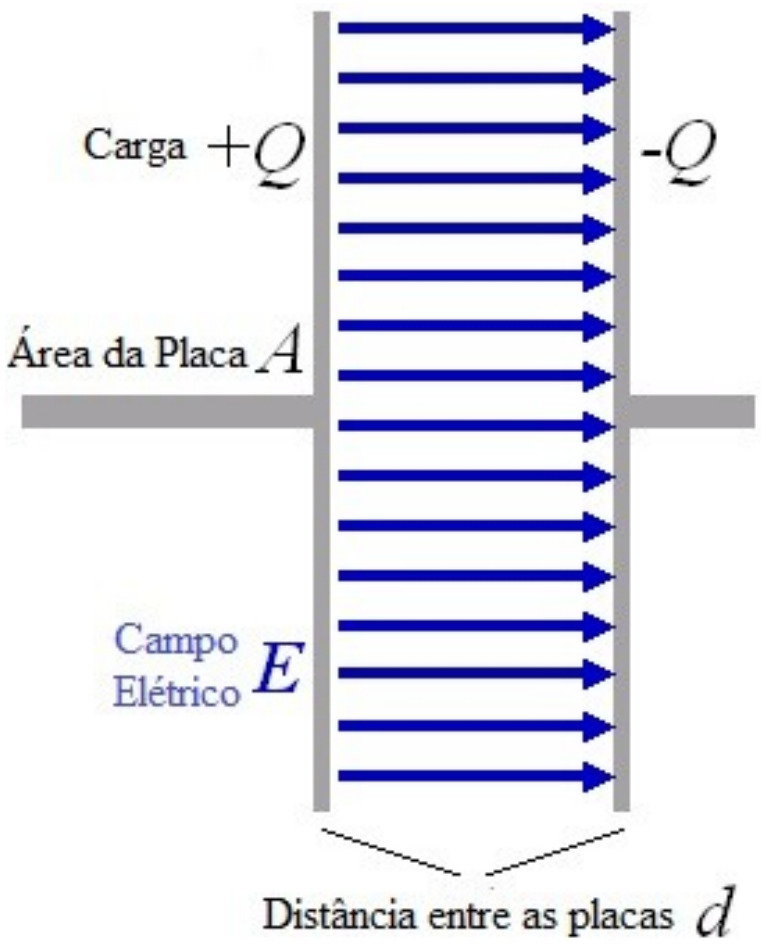
Papel

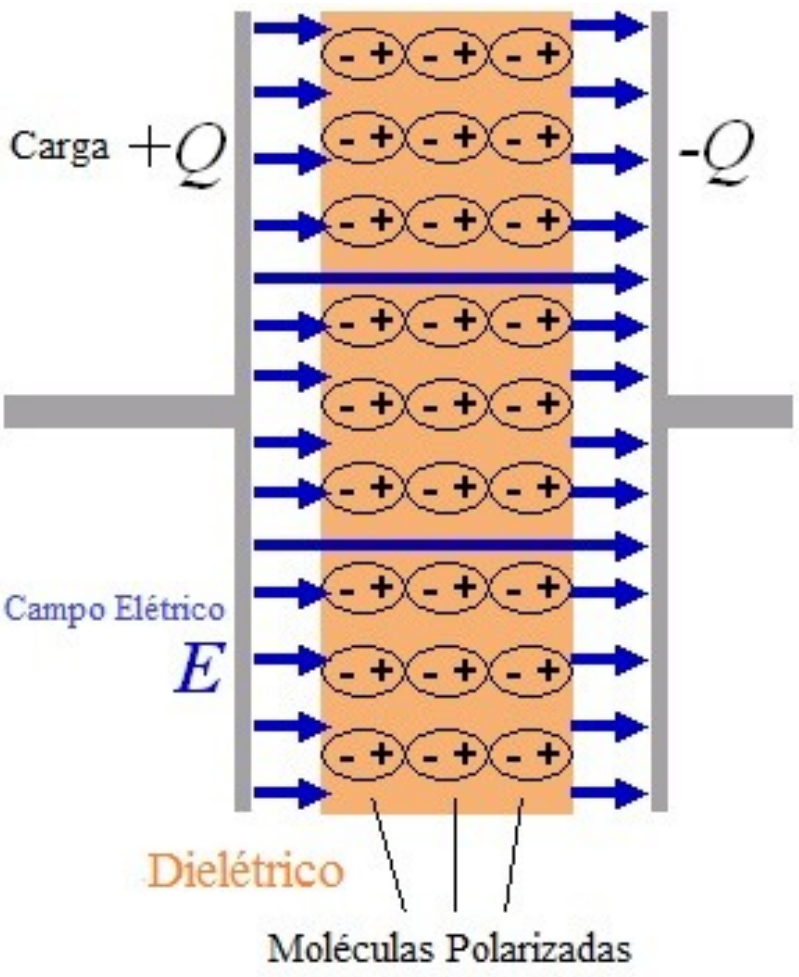
Dielétricos e Capacitores



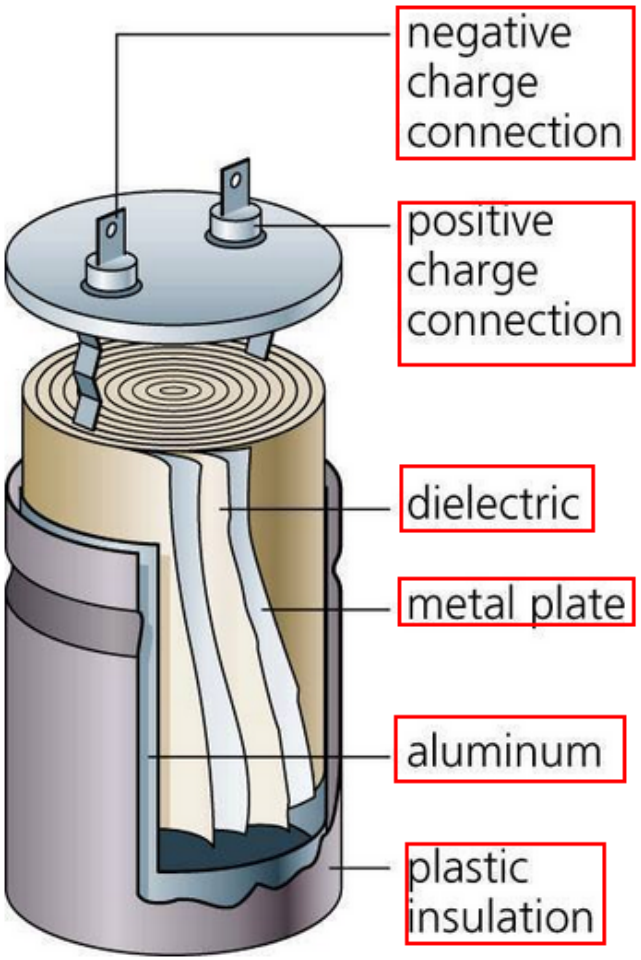


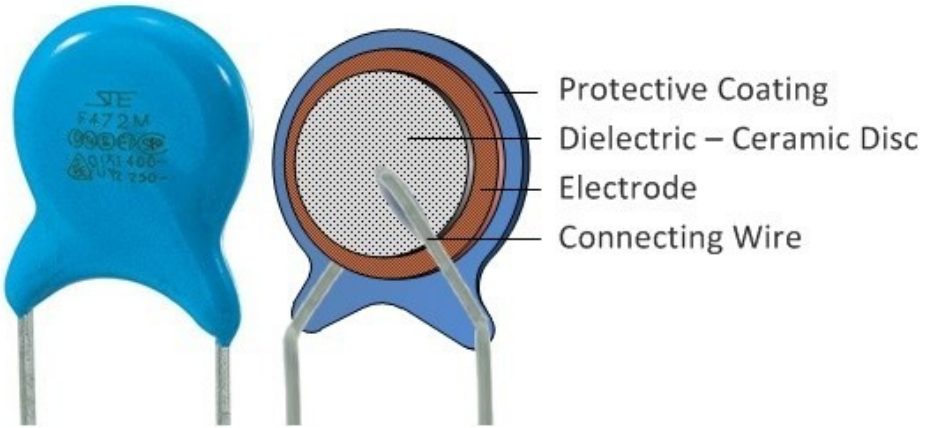
Dielétricos e Capacitores





Dielétricos e Capacitores





Materiais Isolantes II

Exemplos de aplicação

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