

AgCu20

General information

Applications	slip rings, sliding contacts, switching contacts, contacts
Product Forms	strip, wire
Density, g/cm ³	10.13
Melting Range, °C	779 - 820

Forming Processes

Material Behaviour	ductile
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Chemical Properties

Comment	Susceptible to attack by sulphur
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Physical properties

Conductivity, min., % IACS	70
Conductivity, max., % IACS	77
Coefficient of Expansion (20 - 100 °C) (x 10 ⁻⁶), K ⁻¹	19.3
Young's Modulus, GPa	85

Temper	Annealed	Work Hardened	Property Range
Hardness, HV	80 - 120	130 - 190	80 - 190
Tensile Strength, MPa	300 - 400	450 - 700	300 - 700
Yield Strength, MPa	200 - 300	450 - 600	200 - 600
Elongation, %	> 20	2 - 4	2 - 20

Contact

precious.metals@heraeus.com | www.heraeus-precious-metals.com
 Heraeus Deutschland GmbH & Co. KG | Heraeusstrasse 12-14 | 63450 | Hanau | Germany



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