

# 5052 ALLOY

## ALUMINUM CONTINUOUS CAST RE-DRAW ROD

6201 ALLOY/5052 ALLOY



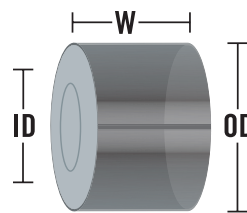
### PRODUCT DESCRIPTION

- Non-heat-treatable alloy
- Principle alloying elements: magnesium and chromium
- Density: 2.68 g/cm<sup>3</sup>
- Standard diameter:\* .375" (9.5mm)
- Tempers supplied: F (as Fabricated)

### STANDARD PACKAGING \*\*

Randomly wound:

- **Weight:** 5,600 lbs (2,540 kg)
- **ID:** 30.75" (78.10 cm)
- **OD:** 61.50" (156.21 cm)
- **W:** 34.00" (86.36 cm)
- **Option:** Palletized, eye-to-the-sky, ID and/or OD wrapping
- Rod surface condition: very clean to oiled



### END-USE APPLICATION

- Armoring for power cable
- Various round wire products

### GENERAL INFORMATION

- Equivalent or similar to: GR 20 (Canada), 21.55, 21.56 (Great Britain)
- Wire Specification: ASTM B211
- Polycrystalline diamond dies recommended for drawing

For Mechanical Applications

### TYPICAL PROPERTIES

TEMPER	ULTIMATE TENSILE STRENGTH		PERCENT ELONGATION IN 10"
	ksi	(MPa)	
<b>ROD (.375")</b>			
F	26-33	(180-225)	20-30
<b>WIRE (10 AWG)</b>			
0	25-32	(170-220)	20-25
H32	31-36	(215-250)	—
H34	24-38	(235-260)	—
H36	37-42	(255-290)	—
H38	39-44	(270-305)	—
H39	41-46	(280-315)	—

\*other diameters: .375" (9.5mm) – 1.0" (25.4mm) available upon minimum quantity requirements

\*\*other packaging: 4,000 lbs (1,814 kg) – 7,500 lbs (3,402 kg) available based upon minimum quantity requirements

