

**ALLOYS**



Freeport-McMoRan Bayway Operations offers a wide variety of alloys to meet the specific needs of the markets served.

ALLOY	STANDARD INDUSTRIAL GRADES	BILLET	BAR	ROD	SHAPE	FLAT WIRE	TUBE	WIRE
C10100	OXYGEN-FREE CERTIFIED ELECTRONIC & CRYOGENIC GRADES	X	X	X	X	X	X	X
C10200	OXYGEN-FREE COPPER	X	X	X	X	X	X	X
C10500	OXYGEN-FREE SILVER BEARING .034%Min (10 Troy oz. Min)		X	X	X	X	X	X
C10700	OXYGEN-FREE SILVER BEARING .085%Min (25 Troy oz. Min)		X	X	X	X	X	X
C11000	ETP COPPER		X	X	X	X	X	X
C16200	CADMIUM BEARING COPPER		X	X	X	X		X
C16500	CADMIUM/TIN BEARING COPPER		X	X		X		X
C18000	CHROMIUM/NICKEL/SILICON BEARING COPPER		X	X	X	X		
C18135	CADMIUM/CHROMIUM BEARING COPPER		X	X	X	X		X
C18150	CHROMIUM/ZIRCONIUM BEARING COPPER		X	X	X	X	X	X
C18200	CHROMIUM-BEARING COPPER		X	X	X	X		

SPECIALTY COPPER ALLOYS	CHEMISTRY	PROPERTIES
PD-135	CADMIUM/CHROME BEARING COPPER	HIGH STRENGTH/HIGH CONDUCTIVITY
CT-37	TIN BEARING COPPER	GOOD STRENGTH/GOOD CONDUCTIVITY

ENVIRONMENTALLY FRIENDLY ALLOYS	CHEMISTRY	PROPERTIES
PD-35EF	CADMIUM-FREE ALTERNATIVE TO PD 135	HIGH STRENGTH/HIGH CONDUCTIVITY
PD-80EF	CADMIUM-FREE ALTERNATIVE TO C162	GOOD STRENGTH/GOOD CONDUCTIVITY

**BILLETS**

Freeport-McMoRan Bayway Operations offers a selection of cast Copper and Copper Alloy billets. These billets are commonly used as extrusion and forging feed stock. Alloys available include: C101, C102, and Cryogenic Grades of copper that will meet 400:1 RRR.