

# Product Information Sheet

ISSUE A

## ALLOY 959

**ALLOY 959 - ALUMINIUM BRONZE**

**SUMMARY OF PROPERTIES**

### Chemical Composition - percent

Element		Nominal	
Aluminium	Al	12.0 - 13.5	12.5
Iron	Fe	3.0 - 5.0	4.3
Nickel	Ni	0.5 maximum	0.5 maximum
Manganese	Mn	1.5 maximum	1.0
Copper	Cu	Balance	
Total Impurities		0.5 maximum	

### Mechanical Properties

Yield Strength (minimum)  
Ultimate Tensile Strength (minimum)  
Elongation  
Hardness  
Shear Strength (Typical)

Compressive Strength 0.1% Permanent Set  
Specific Gravity  
Machinability Rating (Free Machining Brass=100)  
Max. Operating Temperature  
Stress Relieving Temperature

### Continuous Cast

Not specified  
Not specified  
Not specified.  
241 BHN  
Not specified

Not specified  
7.3  
Not specified  
260°C (500°F)  
Not specified

### Comparative Specifications