

## United Cast Bar Unibar 200 Continuously Cast Iron

Category : Metal , Ferrous Metal , Cast Iron , Gray Cast Iron

### Material Notes:

Offers exceptional machinability and excellent surface finishes, but limited strength and wear resistance. Noise and vibration damping are excellent in this grade. Unibar-200 is not suitable for hardening applications. Information provided by United Cast Bar Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_United-Cast-Bar-Unibar-200-Continuously-Cast-Iron.php](http://www.lookpolymers.com/polymer_United-Cast-Bar-Unibar-200-Continuously-Cast-Iron.php)

Physical Properties	Metric	English	Comments
Density	7.30 g/cc	0.264 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	120 - 200	120 - 200	10 mm ball
	@Load 3000 kg	@Load 6610 lb	
Tensile Strength	115 MPa	16700 psi	
	@Diameter 150 - 300 mm	@Diameter 5.91 - 11.8 in	
	130 MPa	18900 psi	
	@Diameter 80.0 - 150 mm	@Diameter 3.15 - 5.91 in	
	155 MPa	22500 psi	
	@Diameter 40.0 - 80.0 mm	@Diameter 1.57 - 3.15 in	
	180 MPa	26100 psi	
	@Diameter 20.0 - 40.0 mm	@Diameter 0.787 - 1.57 in	

Component Elements Properties	Metric	English	Comments
Carbon, C	2.95 - 3.45 %	2.95 - 3.45 %	
Iron, Fe	92.63 - 94.26 %	92.63 - 94.26 %	as balance
Manganese, Mn	0.55 - 0.75 %	0.55 - 0.75 %	
Phosphorous, P	0.10 - 0.20 %	0.10 - 0.20 %	
Silicon, Si	2.1 - 2.9 %	2.1 - 2.9 %	
Sulfur, S	0.040 - 0.070 %	0.040 - 0.070 %	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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