Meehanite DuctlironÂ® SF-60 Nodular Graphite Ductile Iron

Category : Metal , Ferrous Metal , Cast Iron , Alloy Cast Iron , Ductile Iron

Material Notes:

Type SF-60 possesses high ductility and exceptional resistance to shock. It has maximum toughness and machinability. Its structure is essentially ferritic and not readily flame hardened.General Meehanite information - Meehanite metal is first melted to a definite degree of undercooling or constitution which is related to the section of the casting to be poured and the range of physical properties such as tensile strength and hardness required. Nucleation with patented mixtures of graphitizing agents results in the removal of undercooling, in the controlled precipitation of graphite and in a fine grained eutectic cell structure which determines the density and physical integrity of the casting. Ordinary cast irons made to chemical specifications which do not include the benefit of controlled undercooling are influenced by mass effect to a maximum degree and for this and other reasons cannot be considered an equivalent to Meehanite metal.Information provided by Meehanite Marketing Association.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Meehanite-Ductliron-SF-60-Nodular-Graphite-Ductile-Iron.php

Physical Properties	Metric	English	Comments
Specific Gravity	7.18 g/cc	7.18 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	161	161	Nominal
Tensile Strength, Ultimate	>= 414 MPa	>= 60000 psi	
Tensile Strength, Yield	>= 276 MPa	>= 40000 psi	
Elongation at Break	15 - 25 %	15 - 25 %	
Modulus of Elasticity	165 GPa	24000 ksi	
Poissons Ratio	0.32	0.32	
Fatigue Strength	207 MPa	30000 psi	Endurance Limit (Unnotched)
Shear Modulus	62.5 GPa	9070 ksi	Calculated

Thermal Properties	Metric	English	Comments
Shrinkage	1.0 %	1.0 %	Patternmaker Shrinkage

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842

Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China