

Meehanite Almanite[®] WSH Wear and Abrasion Resisting Cast Iron

Category : Metal , Ferrous Metal , Austenitic , Cast Iron , White Cast Iron

Material Notes:

Type WSH is an austenitic nodular iron possessing superior tensile strength, toughness and ability to work harden under conditions of severe pounding impact. It is extremely difficult to machine. Recommended for crusher liners, hammers, grinding balls, etc. 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-Almanite-WSH-Wear-and-Abrasion-Resisting-Cast-Iron.php

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-------------------------------|-----------------------------------|----------|
| Hardness, Brinell | 350 - 500 | 350 - 500 | Nominal |
| Tensile Strength, Ultimate | 689 MPa | 100000 psi | |
| Tensile Strength, Yield | 517 MPa | 75000 psi | |
| Elongation at Break | 4.0 - 10 % | 4.0 - 10 % | |
| Modulus of Elasticity | 165 GPa | 24000 ksi | |
| Izod Impact Unnotched | <= 163 J @Diameter 30.5 mm | <= 120 ft-lb @Diameter 1.20 in | bar |

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