

Industeel CREUSABROÂ® M Wear Resistant Steel

Category : Metal , Ferrous Metal , Carbon Steel , High Carbon Steel

Material Notes:

Description: CREUSABROÂ® M is a high Manganese, fully austenitic, quench annealed, non magnetic, work-hardening steel with an exceptionally high level of wear resistance when subjected to work-hardening by shock or high impact pressure in service. The main characteristics is a superior wear resistance: Severe wear on the surface has a work-hardening effect on the austenitic structure of this steel. This, when combined with the level of carbon in accordance with the international standards, leads to an increase in hardness from 200BHN (in as delivered plates) up to an in-service hardness of at least 600BHN. This work-hardening capability renews itself through out in-service life. The underlayers not work-hardened maintain an excellent resistance to shock and a very high ductility. Information provided by manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Industeel-CREUSABRO-M-Wear-Resistant-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	>= 600	>= 600	Typical

Component Elements Properties	Metric	English	Comments
Carbon, C	1.15 %	1.15 %	
Iron, Fe	85.448 - 85.45 %	85.448 - 85.45 %	As remainder
Manganese, Mn	13 %	13 %	
Silicon, Si	0.40 %	0.40 %	
Sulfur, S	<= 0.0020 %	<= 0.0020 %	

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