

Bohler-Uddeholm HOLDER Pre-hardened Holder Tool Steel

Category : Metal , Ferrous Metal , Alloy Steel , Tool Steel

Material Notes:

Chromium-molybdenum alloyed steel A pre-hardened steel with very good machinability supplied at ~300 HB for clamping and holding plates and blocks. Holder is characterized by: Excellent machinability Good resistance to indentation Uniform hardness in all directions Applications: Holders/bolsters for plastic molds and die-casting dies Plastics and rubber molds with low requirements on polishability Support plates Constructional parts

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http://www.lookpolymers.com/polymer_Bohler-Uddeholm-HOLDER-Pre-hardened-Holder-Tool-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	290	290	Hardened and tempered (Delivery condition)
	290	290	Hardened and tempered
Tensile Strength, Ultimate	1010 MPa	146000 psi	(hardened to 310 HB)
	793 MPa @Temperature 399 °C	115000 psi @Temperature 750 °F	(hardened to 310 HB)
	951 MPa @Temperature 199 °C	138000 psi @Temperature 390 °F	(hardened to 310 HB)
Tensile Strength, Yield	800 MPa @Strain 0.200 %	116000 psi @Strain 0.200 %	68°F (hardened to 310 HB)
	627 MPa @Strain 0.200 %, Temperature 399 °C	91000 psi @Strain 0.200 %, Temperature 750 °F	hardened to 310 HB
	752 MPa @Strain 0.200 %, Temperature 199 °C	109000 psi @Strain 0.200 %, Temperature 390 °F	hardened to 310 HB

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