

Wall Colmonoy COLMONOY® 21A PTA - Nickel Alloy with Tungsten Carbide

Category : Metal , Metal Matrix Composite , Nonferrous Metal , Nickel Alloy , Tungsten Alloy

Material Notes:

Description: Contains chromium for resistance to wear and sulfur-containing media. Used as cushion for harder overlays such as Colmonoy 56 PTA. Applications: Used primarily on glass container molds and related parts, to fill in defects and worn areas. Information provided by Wall Colmonoy Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wall-Colmonoy-COLMONOY-21A-PTA-Nickel-Alloy-with-Tungsten-Carbide.php

Physical Properties	Metric	English	Comments
Density	8.45 g/cc	0.305 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	28 - 32	28 - 32	

Component Elements Properties	Metric	English	Comments
Boron, B	0.95 %	0.95 %	
Carbon, C	0.30 %	0.30 %	
Chromium, Cr	5.8 %	5.8 %	
Iron, Fe	1.3 %	1.3 %	
Nickel, Ni	87.55 %	87.55 %	As Balance
Silicon, Si	4.1 %	4.1 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1120 °C	2050 °F	fusing temperature

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