

Kennametal Stellite Stoody[®] 12 Cobalt-Base Cast Alloy

Category : Metal , Nonferrous Metal , Cobalt Alloy , Superalloy

Material Notes:

Stood[®] 12 is a high carbon, chromium, tungsten, cobalt-base centrifugally cast alloy designed to have intermediate properties between Stood 1 and Stood 6. Being a compromise between Alloys 1 and 6, it has intermediate wear resistance. With minor modifications, Stood 12 can be manufactured to conform to MIL-C-24248 (ship), Composition II. Recommended for twist rolls, shaft sleeves, bushings, glider knives. Information provided by Deloro Stellite Inc. Product of former Deloro Stellite Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kennametal-Stellite-Stoody-12-Cobalt-Base-Cast-Alloy.php

| Mechanical Properties | Metric | English | Comments |
|-----------------------|---------|---------|----------|
| Hardness, Rockwell C | 48 - 52 | 48 - 52 | |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|--------------|
| Carbon, C | 1.5 % | 1.5 % | |
| Chromium, Cr | 29.5 % | 29.5 % | |
| Cobalt, Co | 56 % | 56 % | As remainder |
| Iron, Fe | 1.0 % | 1.0 % | |
| Nickel, Ni | 1.0 % | 1.0 % | |
| Other | 1.5 % | 1.5 % | |
| Silicon, Si | 1.0 % | 1.0 % | |
| Tungsten, W | 8.5 % | 8.5 % | |

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