

Kennametal Stellite Tribaloy® 745

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Age-hardened, highly alloyed, nickel base alloy in the casting form. Hardened by the presence of intermetallic compounds in the highly alloyed matrix. Unique combination of corrosion and wear resistant. Applications: Used in high temperature, highly corrosive environments where good wear resistance is needed. Data provided by the manufacturer, Deloro Stellite Inc. Product of former Deloro Stellite Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kennametal-Stellite-Tribaloy-745.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	383	383	Converted from Rockwell C hardness.
Hardness, Knoop	460	460	Converted from Rockwell C hardness.
Hardness, Rockwell A	71	71	Converted from Rockwell C hardness.
Hardness, Rockwell C	37 - 46	37 - 46	
Hardness, Vickers	405	405	Converted from Rockwell C hardness.
Tensile Strength, Ultimate	600 MPa	87000 psi	
Elongation at Break	<= 1.0 %	<= 1.0 %	
Compressive Yield Strength	1500 MPa	218000 psi	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.050 %	<= 0.050 %	
Chromium, Cr	26 %	26 %	
Iron, Fe	<= 2.0 %	<= 2.0 %	
Molybdenum, Mo	26 %	26 %	
Nickel, Ni	44.5 %	44.5 %	As Remainder
Silicon, Si	<= 1.5 %	<= 1.5 %	

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