

## Kennametal Stellite Deloro® 716 PM cast

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

### Material Notes:

Adhesive wear test data: cast 0.1; abrasive wear test data: cast 63 mm<sup>3</sup>. Deloro 716 is currently being developed. Typical applications include vane plugs, fuel metering pins, spacer bushings, ball bearing blanks, race bearing blanks, diesel engine exhaust, fluid valve seats, saw cutter inserts, miscellaneous wear parts. 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-Deloro-716-PM-cast.php](http://www.lookpolymers.com/polymer_Kennametal-Stellite-Deloro-716-PM-cast.php)

Physical Properties	Metric	English	Comments
Density	8.17 g/cc	0.295 lb/in <sup>3</sup>	theoretical

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	298	298	Converted from Rockwell C hardness.
	154	154	Converted from Rockwell B hardness
	@Temperature 760 Â°C	@Temperature 1400 Â°F	
	228	228	Converted from Rockwell C hardness
	@Temperature 649 Â°C	@Temperature 1200 Â°F	
Hardness, Knoop	259	259	Converted from Rockwell C hardness
	180	180	Converted from Rockwell B hardness
	@Temperature 760 Â°C	@Temperature 1400 Â°F	
	268	268	Converted from Rockwell C hardness
	@Temperature 649 Â°C	@Temperature 1200 Â°F	
Hardness, Rockwell A	306	306	Converted from Rockwell C hardness
	66	66	Converted from Rockwell C hardness.
	50	50	Converted from Rockwell C hardness
	@Temperature 538 Â°C	@Temperature 1000 Â°F	
	@Temperature 1400		

Mechanical Properties	@Temperature 760 Å°C Metric	Å°F English	Comments
	60	60	
	@Temperature 649 Å°C	@Temperature 1200 Å°F	Converted from Rockwell C hardness
	63	63	
	@Temperature 538 Å°C	@Temperature 1000 Å°F	Converted from Rockwell C hardness
Hardness, Rockwell B	106	106	Converted from Rockwell C hardness. Beyond normal Rockwell B scale, for comparison only.
	87	87	
	@Temperature 760 Å°C	@Temperature 1400 Å°F	
Hardness, Rockwell C	32	32	
	20	20	
	@Temperature 649 Å°C	@Temperature 1200 Å°F	Hot hardness.
	26	26	
	@Temperature 538 Å°C	@Temperature 1000 Å°F	Hot hardness.
Hardness, Vickers	309	309	Converted from Rockwell C hardness.
	156	156	
	@Temperature 760 Å°C	@Temperature 1400 Å°F	Converted from Rockwell B hardness
	234	234	
	@Temperature 649 Å°C	@Temperature 1200 Å°F	Converted from Rockwell C hardness
	267	267	
	@Temperature 538 Å°C	@Temperature 1000 Å°F	Converted from Rockwell C hardness

Component Elements Properties	Metric	English	Comments
Boron, B	0.40 %	0.40 %	
Carbon, C	1.1 %	1.1 %	
Chromium, Cr	26 %	26 %	
Cobalt, Co	12 %	12 %	

<small>Iron, Fe</small> Component Elements Properties	<small>29 %</small> Metric	<small>29 %</small> English	Comments
Molybdenum, Mo	3.0 %	3.0 %	
Nickel, Ni	23 %	23 %	As Remainder
Tungsten, W	3.5 %	3.5 %	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China