

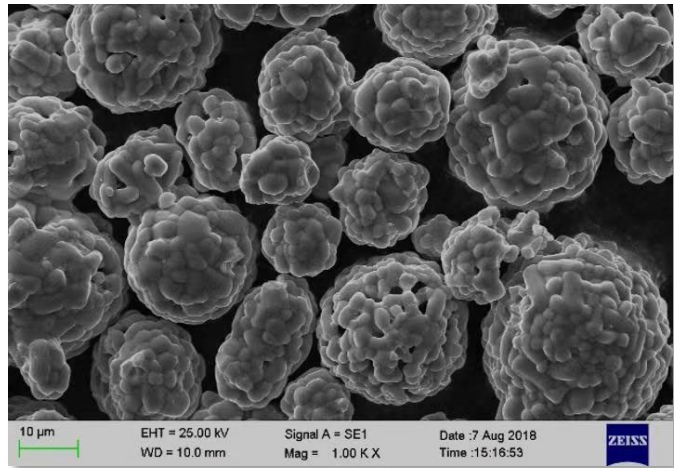
# TMPK135-B

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## Product Overview:

**TMPK135-B** is a mixture of carbide particles and nickel-based matrix specifically designed for HVOF systems. It produces strong corrosion and abrasion resistance coatings that maintain hardness at high temperatures. It has proven to be ideal for extreme erosive and abrasive environments.



Alloy	Cr	C	Ni	O	Fe	Others
<b>TMPK135-B</b>	Balance	8.5 – 11.0	19.0 – 21.0	≤0.10	≤0.50	≤1.50
<b>Chemical Name:</b>	Chromium-Carbon-Nickel (75Cr <sub>3</sub> C <sub>2</sub> -25NiCr)					
<b>Powder Morphology:</b>	Spherical					
<b>Manufacturing Method:</b>	Agglomerated and Sintered					
<b>Apparent Density:</b>	2.50 g/cm <sup>3</sup>					

Particle Size Distribution	Wt.% Min.	Wt.% Max.	Wt. % Typical Value
+53 µm	--	3.0	1.0
-53/+45 µm	5.0	15.0	8.0
-45/+38 µm	--	--	15.0
-38/+20 µm	--	--	57.0
-20/+15 µm	5.0	20.0	12.0
-15 µm	5.0	10.0	7.0

## Application:

- Turbine air seal rings
- Turbine exhaust valve seats
- Turbine struts

## Standard Sizes & Packaging:

<b>Particle Size</b>	<b>Packaging</b>
-53/+10 microns	5kg/ bottle

[www.tmetal.com](http://www.tmetal.com)

contact@tmetal.com | 45A West Wilmot Street, Richmond Hill, ON, L4B 2P3, Canada