

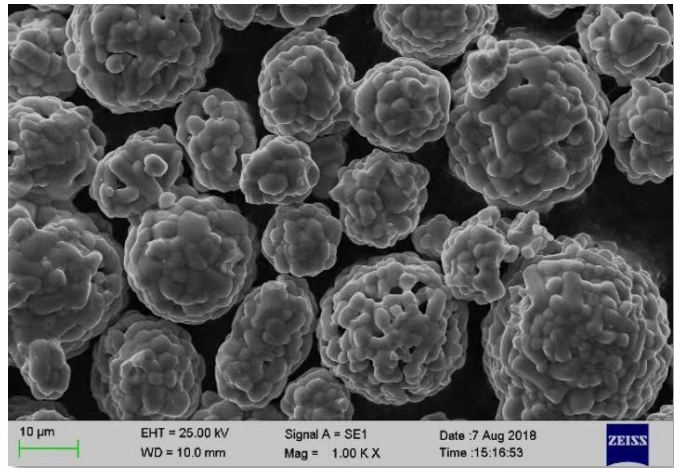
TMPK135-B

June 2020



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

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:

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

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