

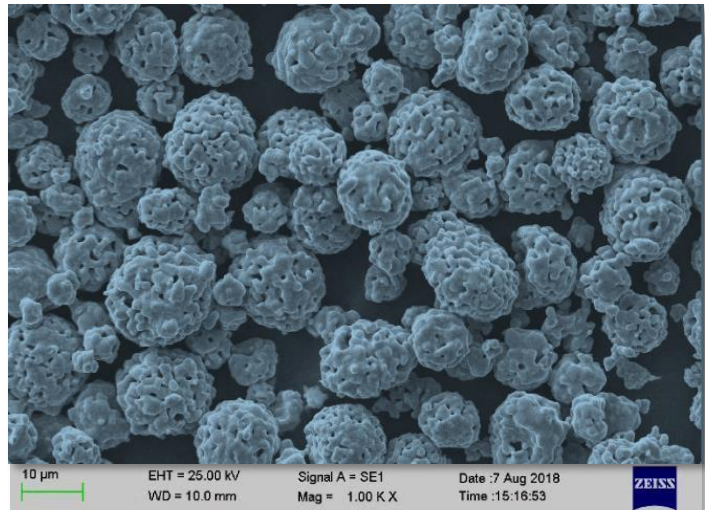
TMPK135-A

June 2020



Product Overview:

TMPK135-A 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 temperatures up to 870 °C (1598°F). It has proven to be ideal for extreme erosive and abrasive environments.



Alloy	Cr	C	Ni
TMPK135-A	Balance	7.0 – 12.0	15.0 – 20.0
Chemical Name:	Chromium-Carbon-Nickel (75Cr ₃ C ₂ -25NiCr)		
Powder Morphology:	Spherical		
Manufacturing Method:	Agglomerated and Sintered		
Apparent Density:	2.0 – 3.0 g/cm ³		

Particle Size Distribution:

+53 µm	-53 µm / +45 µm	-45 µm / +15 µm	-15 µm
< 1.0%	< 5.0%	Balance	< 5.0%

Application:

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

Standard Sizes & Packaging:

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