

E-Fill 2806

75 % Nickel Coated Graphite 75Ni / C25 — Fine Conductive Grade

Oerlikon Metco's E-Fill™ 2806 is an angular-shaped Ni/C material optimized for use in fine form-in-place (FFIP), extruded gaskets, moulded sheets and other conductive filler applications where small particle size is required.

The shielding effectiveness of E-Fill 2806 is comparable to that of silver plated materials at a fraction of the cost.

E-Fill 2806 excels in applications where coated flanges are used. The angular shape of E-Fill 2806 coupled with Oerlikon Metco's proprietary hard nickel coating give gaskets the "bite" needed to ensure optimal electrical contact.

Aluminum compatible E-Fill 2806 offers enhanced galvanic corrosion resistance and stability in severe environments.

Screen Analysis

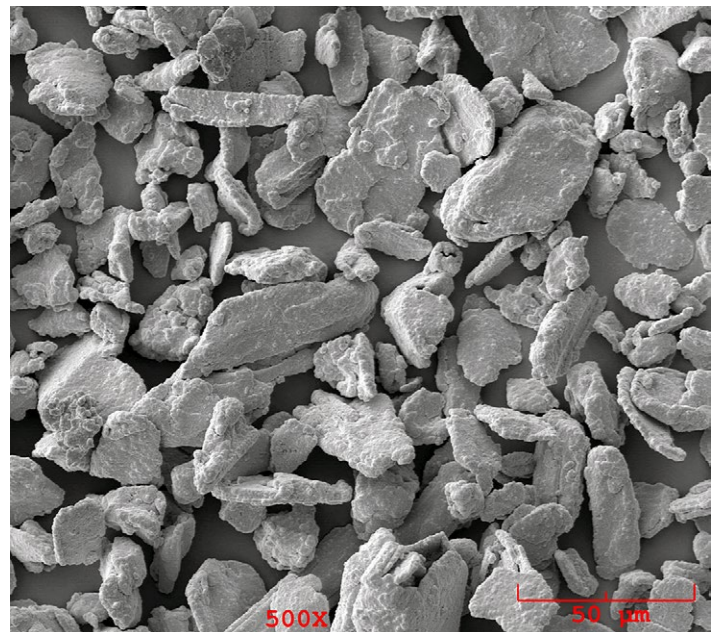
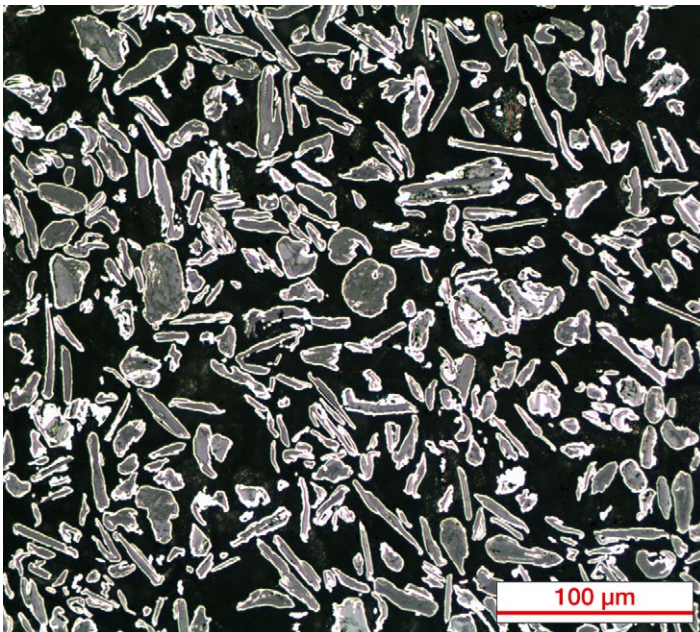
Tyler Mesh Size	Typical Value % by Mass
+270	< 0.5
+400	3
-635	50

Microtrac

	Typical Value Microns (µm)
D10	16
D50	30
D90	55

Additional Information

True Particle Density	5.0 g/cm ³ typical
Apparent Density Hall (ASTM B212)	1.4 g/cm ³ typical
Standard Packaging	25 kg net in plastic pails
Order No.	1096290
Safety Data Sheet (SDS)	50-1293



E-Fill 2806. Left: cross-section of powder particles. Right: morphology of powder particles.

Information is subject to change without prior notice.