



Sir-Chem®



Sir-Chem® Dry Powder 93 (Fluorescent Red)

Physical Characteristics

Light red powder, odorless.

Particle Certification

Particles meet or exceed all relevant specifications, including but not limited to ASTM E-1444, AMS 3040, MIL-STD-271, NAVSEA 250-1500-1, NTR-1E. Certification is included with each shipment.

Particle Color

Red/Fluorescent Orange

Average Particle Size

75 µm

AMS Standard

3040

SAE Sensitivity*

8

[*Representative of the number of lines shown on a tool steel ring as defined in SAE AS5282.]

Temperature Limit

250°F (120°C)

Related Product Information:

Material Safety Data Sheet

Technical Bulletin 181

Item

FG-2671

FG-2675

Package Size

10 pounds/jar

50 pounds/pail

Sir-Chem® Dry Powder 93 is a highly refined and bonded orange/red magnetic powder used for dry method magnetic particle inspection. It is designed to be used in visible light, UV-A light and blue light to reveal discontinuities on fabricated components or weldments such as bridges, drill pipes, large tanks and machinery. Dry Powder 93 possesses a unique characteristic in that discontinuities in visible light are red and under UV-A light or blue light the discontinuities fluoresce orange. This specially bonded iron based powder is designed to minimize dust and provide clear, sharp discontinuities. The decrease in dust allows for a safer inspection area.



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