

MAGNAVIS[®] #1 GRAY, #2 YELLOW, #3A BLACK AND #8A RED DRY METHOD NON-FLUORESCENT MAGNETIC POWDERS

GENERAL DESCRIPTION

Magnavis[®] #1 Gray, #2 Yellow, #3A Black and #8A Red are ready to use, free flowing, general purpose, dry method, color contrast magnetic powders. These powders are used to locate surface and slightly subsurface discontinuities in ferrous materials.

- Magnavis[®] #1 Gray is a gray or off-white color powder which produces sharp color contrast indications on dark backgrounds.
- Magnavis[®] #2 Yellow is a pale yellowish powder which is ideal for dark surfaces.
- Magnavis[®] #3A Black is a dustless blue-black powder ideally suited to produce sharp indications on shot peened or sandblasted surfaces with light backgrounds.
- Magnavis[®] #8A Red provides a strong contrast on most surfaces and colored backgrounds.

APPLICATIONS

Magnavis[®] dry magnetic powders are typically used on welds, large forgings and castings.

COMPOSITION

Magnavis[®] dry magnetic powders are composed of selected magnetic powders and pigments.

TYPICAL PROPERTIES (Not a specification)

Typical Properties	#1 Gray	#2 Yellow	#3A Black	#8A Red
Particle Size (Average)	80 Microns	80 Microns	80 Microns	80 Microns
SAE Relative Sensitivity	8	8	8	8
Temperature Range	NA – 750° F	NA – 500° F	NA - 600° F	NA - 600° F

¹Temperature limits are not intended to imply that the material will not form magnetic particle indications above the specified temperatures. However, particles at elevated temperatures for a period of time may be altered in color, sintered together or emit smoke. Particles heated to +900°F or passed through a flame will smolder or spark.

METHOD OF APPLICATION

Magnavis[®] dry method, non-fluorescent magnetic particles may be dispensed by a plastic squeeze bottle or powder blower. The powders must be applied while the magnetizing current is on. If there is considerable background build-up, the excess material can be gently blown off while the current is flowing. Should the material being tested have a high retentivity, surface discontinuities can be detected after the current shot.

SPECIFICATION COMPLIANCE:

ASME B &PV Code, Sec. V, ASTM E 709, ASTM E 1444, NAVSEA 250-1500-1, NAVSEA T9074-AS-GIB-010/271, MIL-STD-2132, AMS-3040.

PACKAGING

10 Lb. Jar, 45 Lb. Pail