

SM-15

Black Magnetic Particle Spray

Aerosol 450ml/can, 20cans/Box



SM-15 is black magnetic particle and high sensitive and precise normal magnetic particle that tests with White Light. It is oil base type with low toxicity, high boiling point and no corrosion. Also it is very economic and effective product. This product, SM-15, can be applied on inner defective area of surface or closed to the surface and it is also suitable for testing the defective area when being processed or finished product.

Uses

SM-15 is the testing material that can examine the minute crack and crevice. It is applied for testing the defective area such as seams, shrink cracks, tears, laps, flakes, welding defect, grinding cracks, quenching cracks and fatigue cracks.

Component

SM-15 is the mixture of special black magnetic particle and oil base.

Properties

Division	Unit	Properties
Color	—	Black
Particle size	μm	4.0 or less
SAE Sensitivity	—	6
Temperature limit	$^{\circ}\text{C}$	50 (Max.)
Specific gravity	—	0.78
Spray pressure(25 $^{\circ}\text{C}$)	kg/cm 2	4.0
Spray rate	g/10sec	22

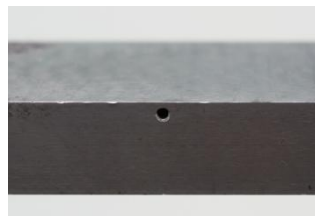


How to use

1. Please clean the contaminants on the surface that needs to be tested with cleaner(Mega Check).(Drying Time 5 ~10min)
2. Please spray the white paint (MP-35) evenly.
3. Please form the magnetizing current magnetic field.
4. Please spray the black magnetic particle spray (SM-15) evenly.
5. Please examine the testing area with naked eye



Testing Equipment & Magnetic particle Detecting Spray



Testing Object



1. Cleaning of Testing Object



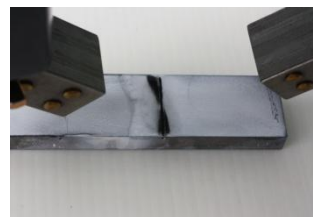
2. Spray MP-35 (White Paint)



3. Forming the magnetizing current magnetic field



4. Spray SM-15 (black Magnetic particle)



5. Examine the defective area with naked eye

Cleaning after the Test

In order to remove the particles on the testing area easily, please demagnetize it before cleaning.

Related Specification

ASTM E1444, ASME B & PV Code, Sec.V, NAVSEA 250-1500-1, ASTM E-709(E-138), MIL-STD-271, AMS-3044, AMS-3042, Cummins IS-16048-13, MIL-STD-2132, Boeing PS21201, British STD. B.S. 4069



Cautions

Do not spray directly onto the face or food. Do not inhale or intake.

Keep it out of the reach of children.

As this is an inflammable product using high pressure gas, keep the following cautions carefully.

1. Do not spray directly toward open flame.
2. Do not use it near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
3. Do not use it in an environment where there are explosive or inflammable materials.
4. Store the product in places where the temperature does not exceed 40°C.
5. After used in enclosed areas, be sure to ventilate.
6. Do not throw into a fire.
7. After use, throw it away after checking and removal the remaining gas in the container.
8. Do not store it in enclosed area.
9. Below 5°C, injection power may be poor.

※ This information can be amended without any notice according to new knowledge and test result. If there are any questions, please contact us or the store where you purchased it.

