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TECHNICAL

DATA SHEET

Ref : TDS/ **D-90G**

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DRY DEVELOPER FOR PENETRANT TESTING D-90G



MANUFACTURER: Sherwin Inc. (USA) / NDT-Europa (NL)

DESCRIPTION / APPLICATION(S):

Fluffy white powder

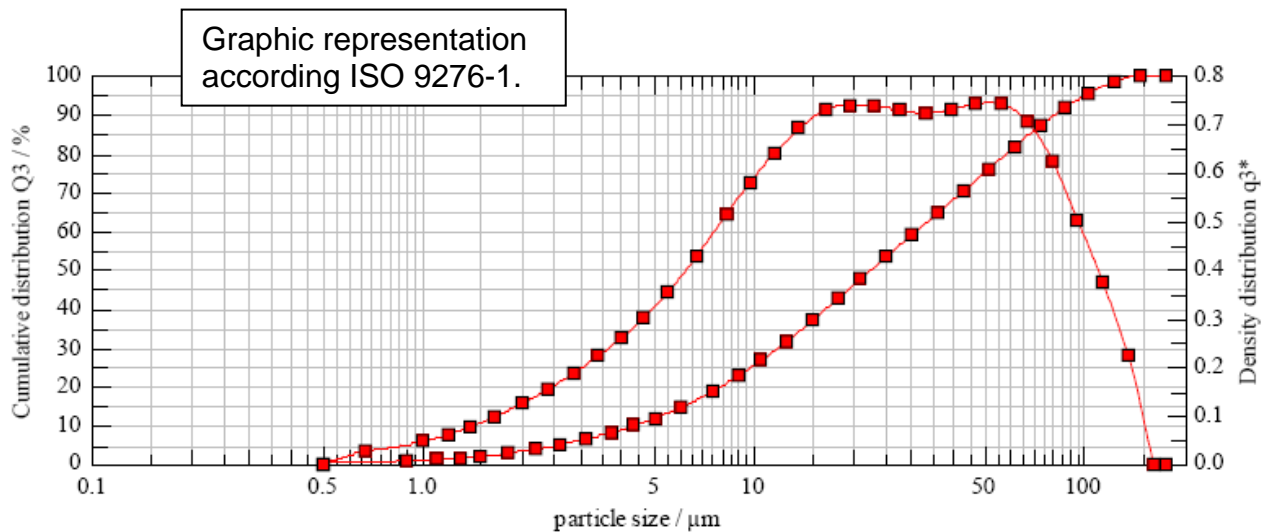
Companion products : All fluorescent penetrants

SPECIFICATION(S) / STANDARD(S):

- Conforms to code(s) : ASME
standard(s) : ISO 3452-2
specification(s): Airbus
Dassault
Eurocopter
EADS
Pratt & Whitney
Rolls Royce (OMAT 606H)
Groupe SAFRAN
- Homologation : QPL - AMS2644
- This product complies with REACH regulation.

PHYSICO-CHEMICAL PROPERTIES:

- Very low chlorine, fluorine, sulfur, and sodium content.
- No ignition point.
- No asbestos or crystallized silica content.
- Density: 160 ± 50 g / liter.
- Granulometry: X10 = 4,5µm / X90 = 80µm / X99 = 105µm according ISO 13320-1



PACKAGING / TRANSPORT / STORAGE:

- .Packaging:** 250mL spraycan
100g, 1kg bucket
- .Transport / Handling:** Refer to Material Safety Data Sheet (MSDS).
- .Storage / Shelf life:** Keep away from moisture
Temperature range: 0°C à 50° C.
Keep packaging closed after taking out some of the product
- Spraycan / bucket : 48 months

INSTRUCTIONS:

CAUTION: BEFORE TAKING THE PRODUCT OUT, HOMOGENEIZE THE POWDER. CLOSE THE PACKAGING CAREFULLY AFTERWARDS.

Immersion:

After washing and drying the parts, immerse them for **5 to 10 seconds** into the developer.
Take them out and let them bleed for at least **10 minutes**.
The developer should be homogenized (using a wooden spoon, for example), twice a day.



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Dust chamber:

Once washed and dried, the parts are inserted into the dust chamber. They are to be placed at mid-height of the tank (which is closed).

A **very small quantity of powder**, at the bottom of the tank, is stirred by a fan, or by a blow of compressed air (dry and oil-free: in that case, exhaust should be directed outside the workshop with a particles filter) for approximately **30 seconds**.

Then let the parts dry for at least **10 minutes** in the compartment, so that the powder can fall down before opening.

NOTE: IT IS STRONGLY ADVISED TO:

- **Use one or several fans rather than compressed air.**
- **Use vertical axis fan placed at the bottom of the tank.**
- **If, however, you wish to use compressed air, it should be oil-free and, above all, very dry.**

Spray:

D90G can be applied by pneumatic spraying (dry, oil-free air).

However, electrostatic spraying is preferable, as it makes it possible to apply a thin layer of developer, which remains clean at all times.

HEALTH AND SAFETY: Refer to Material Safety Data Sheet (MSDS).

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