

**PASTE PRODUCTS AND VISCOUS PREPARATIONS
CONVENTIONAL DRY EXTRACT**

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NO USE RESTRICTION*This is a translation, the French original shall be used in all cases of litigation**Date of translation : 01/09/1997***FOREWORD**

This document is in technical conformity with RENAULT méthode d'essai D55 1209.

It must not be modified without prior consultation with RENAULT.

It is in conformity with the agreement reached between the Normalisation Services of PEUGEOT S.A. and RENAULT in JANUARY 1994.

1. OBJECT AND FIELD OF APPLICATION

The object of this méthode is to determine the dry extract content of paste products whether these contain constituents or not. It applies in particular to sealants, gasket seal pastes and resins, when the viscosity of these products is too great to allow them to spread naturally over the base of an evaporating dish, in accordance to méthode d'essai D55 1017.

2. PRINCIPLE

To determine the mass of the residue obtained by heating is determined for a given period on a certain quantity of product in defined conditions.

The conventional dry extract, expressed in percentage, corresponds to the ratio of mass of this residue to initial mass.

3. EQUIPMENT**3.1. TEMPLATE**

Polytetrafluorethylene (PTFE) 2 mm thick (see appendix).

3.2. ALUMINIUM SHEET

0,15 to 0,2 mm thick.

3.3. ALUMINIUM EVAPORATING DISH OR GLASS CRYSTALLISER

of diameter at least equal to 50 mm.

3.4. VENTILATED OVEN

providing a temperature lower than or equal to 200°C.

3.5. BALANCE

accurate to 1 mg.

3.6. DESSICATOR WITH CALCIUM CHLORIDE**3.7. SPATULA.**

4. METHOD OF OPERATION

- From the aluminium sheet (3.2.) cut out a circle of 50 mm diameter.
- Weigh the evaporating dish (3.3.) or the crystalliser with the aluminium circle; let M_1 be this mass.
- Apply the template (3.1.) to the aluminium circle.
- Deposit the product inside the cavity by means of the spatula (3.7.) and level it.
- Remove the template.
- Place the test sample in the evaporating dish or the crystalliser and weigh the assembly; let M_2 be this mass.
- Place the assembly in the oven (3.4.) for a given time.
- Leave to cool in the dessicator and weigh; let M_3 be this mass.

The possible drying conditions are :

- a - 105 °C ± 2°C for 3 hours,
- b - 70°C ± 1°C for 16 hours,
- c - 165°C ± 3°C for 1 hour 30 minutes,
- d - other conditions according to specifications.

Carry out the above operations on three test samples.

5. EXPRESSION OF RESULTS

The mean figure of three results expressed as a percentage of the mass of the test sample is obtained using the following formula :

$$\frac{M_3 - M_1}{M_2 - M_1} \cdot 100$$

The variation between each of the measurements and the mean figure must be lower than 2% of the mean value. Indicate the results to one decimal point.

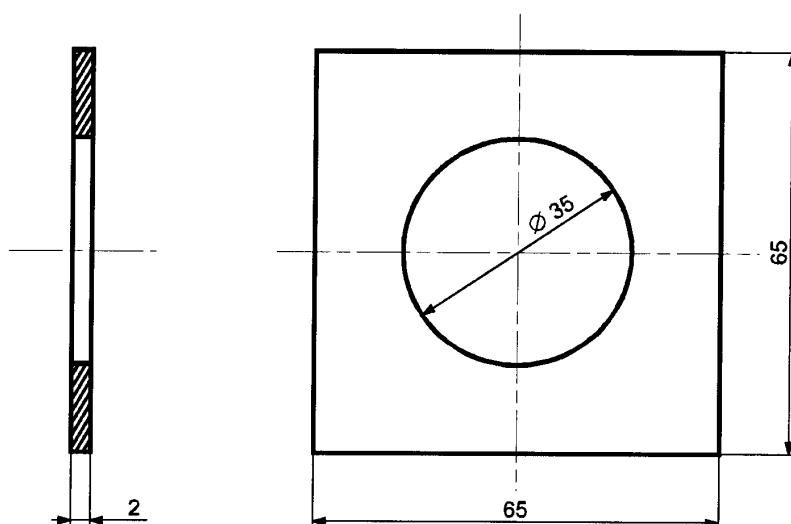
6. TEST REPORT

As well as the results obtained, the test report must indicate :

- the reference to this méthode,
- the references of the product tested and the name of the supplier,
- the drying conditions,
- the operating details not specified in the method as well as any possible incidents likely to have affected the results.

APPENDIX

TEMPLATE (3.1)



7. RECORDS AND REFERENCE DOCUMENTS

7.1. RECORDS

7.1.1. CREATION

OR : 01/01/1982 – CREATION OF THE NORME

7.1.2. SUBJECT OF THE MODIFICATION

- A : 01/09/1994 – COMPLETE REWRITE OF THE NORME.
- B : 01/08/1997 – INTRODUCED INTO IDEM (*French only*).

7.2. REFERENCE DOCUMENTS

7.2.1. PSA DOCUMENTS

7.2.1.1 Normes

D55 1017.

7.2.1.2. Others

7.2.2. EXTERNAL DOCUMENTS

7.3. EQUIVALENT TO :

REND551209

7.4. CONFORMS TO :

7.5. KEY-WORDS