**100 A sample:**

**Sample 100 A: Evolution of austenitic diameters according to depth**

**I was able to upload a limited number of photos for the size requested during the submission**

|  |  |
| --- | --- |
| **n1=3;**  **n2=13;**    **ng=n1+n2/2;**  **g=100; % GROSSISSEMENT**  **m=2\*(g/100)^2\*ng;**  **dexp100A(2)=1/m^0.5 =229µm**  **1 mm under up surface** | **n1=7; n2=12**  **n1=7;**  **n2=12;**  **ng=n1+n2/2;**  **g=100; % GROSSISSEMENT**  **m=2\*(g/100)^2\*ng;**  **dexp100A(3)=1/m^0.5;**  **dexp100A=196µm**  **1.5 mm under up surface** |
|  |  |

**Some photo of hardness measurement**

|  |
| --- |
| **D:\BUREAU\WORKARIM\THESE\EXPERIMENTAL\DURETE\ESSAI DURETE LABORATOIR_ENIM\essai1.1mm.bmp** |
| **1 mm under up surface** |