| temperature/°C | raw data of complex test experimental | Data |  |
|---------------|--------------------------------------|------|---|
|               | frequency/Hz | dynamic modulus/Mpa | phase angle/° |
| 5             | 25           | 16689              | 14.41         |
|               | 20           | 16242              | 14.81         |
|               | 10           | 14772              | 16.26         |
|               | 5            | 13236              | 17.89         |
|               | 1            | 9773               | 22.12         |
|               | 0.5          | 8258               | 23.99         |
|               | 0.1          | 4955               | 28.52         |
| 20            | 25           | 7557               | 26.21         |
|               | 20           | 7060               | 26.30         |
|               | 10           | 5778               | 27.91         |
|               | 5            | 4642               | 29.33         |
|               | 1            | 2604               | 32.33         |
|               | 0.5          | 1996               | 32.35         |
|               | 0.1          | 1062               | 31.43         |
| 35            | 25           | 3090               | 29.46         |
|               | 20           | 2838               | 29.33         |
|               | 10           | 2137               | 30.03         |
|               | 5            | 1629               | 30.49         |
|               | 1            | 844.3              | 30.07         |
|               | 0.5          | 682.5              | 28.89         |
|               | 0.1          | 436.8              | 26.43         |
| 50            | 25           | 969.7              | 32.80         |
|               | 20           | 870.8              | 31.08         |
|               | 10           | 641.9              | 30.02         |
|               | 5            | 457.7              | 29.87         |
|               | 1            | 244.9              | 27.09         |
|               | 0.5          | 220.3              | 23.55         |
|               | 0.1          | 177.1              | 21.50         |