ISO/TS 23483:2022-08 (E)

Carbon fibres - Determination of polyacrylonitrile-based (PAN-based) carbon fibre tow characteristics - Heat transfer parameter

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 1

5 Test devices 2

6 Test conditions on carbon fibre tow 3

7 Traceability -- Calibration 3

8 Test procedures 3
8.1 Type 3
8.2 Size 3
8.3 Thermal imaging camera 3
8.3.1 Working parameters of thermal imaging camera 3
8.4 Thermal imaging camera scan range on a sample 3
8.5 Sample preparations 4
8.5.1 Mounting and handling 4
8.6 No. of samples and no. of measurements 4
8.7 Data 4

9 Test report 5

Annex A (informative) Typical set-up for heat transfer parameter measurement 6

Annex B (informative) Determination of 12 K carbon fibre tow heat transfer parameter 9

Bibliography 10