ISO 8829-2:2006-09 (E)

Aerospace - Test methods for polytetrafluoroethylene (PTFE) inner-tube hose assemblies - Part 2: Non-metallic braid

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Test temperature 2

5 Tests on PTFE inner tubes 2
5.1 Density and relative density 2
5.2 Tensile tests 2
5.3 Rolling and proof-pressure tests 4
5.4 Electrical conductivity test 6

6 Test on hoses and hose assemblies 6
6.1 Stress degradation test 6
6.2 Pneumatic effusion test 8
6.3 Electrical conductivity test 9
6.4 Visual and dimensional inspection 10
6.5 Determination of elongation or contraction 10
6.6 Volumetric expansion test 10
6.7 Leakage test 12
6.8 Proof-pressure test 12
6.9 Burst-pressure tests 12
6.10 Impulse test 13
6.11 Flexure test 13
6.12 Fuel resistance test 15
6.13 Low-temperature flexure testing 15
6.14 Pneumatic leakage test 15
6.15 Vacuum test 15
6.16 Pneumatic surge test 16
6.17 Thermal shock test 16
6.18 Light-radiation aging 17
6.19 Push-pull test 18
6.20 Fire test 19

Annex A (informative) Test fluids 20

Bibliography 21