
**Plastics — Fluoropolymer dispersions
and moulding and extrusion
materials —**

Part 2:
**Preparation of test specimens and
determination of properties**

*Plastiques — Polymères fluorés: dispersions et matériaux pour
moulage et extrusion —*

Partie 2: Préparation des éprouvettes et détermination des propriétés





COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Preparation of test specimens	2
5 Conditioning and test conditions	2
6 Determination of properties	2
7 Testing of PTFE	2
7.1 Testing of polytetrafluoroethylene (PTFE) granular moulding and ram extrusion materials, and for PTFE resin produced from coagulation of dispersion.....	2
7.1.1 Standard specific gravity (SSG).....	2
7.1.2 Bulk density.....	4
7.1.3 Particle size and size distribution.....	8
7.2 Testing of polytetrafluoroethylene (PTFE) dispersion.....	15
7.2.1 Preparation of test samples.....	15
7.2.2 Percentage PTFE and surfactant in aqueous dispersion.....	15
8 Testing of melt processable fluoropolymers	16
8.1 Testing of CPT, ECTFE, EFEP, ETFE, FEP, PFA, PVDF, PVF, VDF/CTFE, VDF/HFP, VDF/TFE, VDF/TFE/HFP.....	16
8.1.1 Melting-peak temperature.....	16
8.1.2 Melt mass-flow rate (MFR).....	16
8.2 Testing of PCTFE.....	18
8.2.1 Zero-strength time.....	18
8.3 Testing of TFE/PDD.....	18
8.3.1 Glass transition temperature.....	18
8.4 Testing of melt processable fluoropolymers dispersion.....	19
Bibliography	20