

ISO 16152:2022-06 (E)

Plastics - Determination of xylene-soluble matter in polypropylene

Contents	Page
Foreword.....	iv
Introduction.....	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Method 1 — Reference method	1
4.1 Principle.....	1
4.2 Apparatus.....	1
4.3 Reagents and materials.....	2
4.4 Procedure.....	3
4.4.1 Preparation of the xylene.....	3
4.4.2 Determination of level of impurities in the xylene (solvent blank).....	3
4.4.3 Determination of percentage xylene-soluble matter in the polypropylene.....	4
4.5 Calculations.....	6
4.6 Precision and bias.....	7
5 Method 2 — Automated instrumental method	7
5.1 Principle.....	7
5.2 Apparatus.....	7
5.3 Reagents and materials.....	8
5.4 Procedure.....	9
5.4.1 Preparation of the solvent.....	9
5.4.2 Preparation of the sample.....	9
5.4.3 Calibration curve.....	9
5.4.4 Testing.....	9
5.5 Calculation.....	10
5.6 Precision and bias.....	11
6 Test report	11
Annex A (informative) Precision data for polypropylene obtained from an intercomparison of xylene-soluble content testing	12
Bibliography	13