

ISO 24076:2021 (E)

Plastics — Polypropylene (PP) — Determination of isotactic index by low-resolution nuclear magnetic resonance spectrometry

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
5	Apparatus
6	Preparation of sample
6.1	General
6.2	Reference samples
7	Method A — Ratio method
7.1	Procedure
7.1.1	Measurement of reference samples by n-heptane extraction
7.1.2	LR-NMR measurement procedure of reference samples
7.1.3	LR-NMR measurement procedure of test samples
7.2	Calculation
7.2.1	Calibration curve
7.2.2	Calculation of isotactic index II_{na}
8	Method B — Absolute method
8.1	Procedure
8.1.1	Measurement of reference samples by n-heptane extraction
8.1.2	LR-NMR measurement procedure of reference samples
8.1.3	LR-NMR measurement procedure of test samples
8.2	Calculation
8.2.1	Calibration curve
8.2.2	Calculation of isotactic index II_{nb}
9	Expression of results
10	Test report
Annex A	(informative) Example of a calibration curve for method A
Annex B	(informative) Example of a calibration curve for method B