

DIN EN ISO 22766:2022-01 (E)

Plastics - Determination of the degree of disintegration of plastic materials in marine habitats under real field conditions (ISO 22766:2020)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Principle	8
5	Test procedure	8
5.1	Test material	8
5.2	Reference material	9
5.3	Preparation of test and reference materials	9
5.4	Number of replicates	9
5.5	Exposure to marine habitats	10
5.6	Termination of the field test	10
6	Analysis and monitoring of the field test	11
6.1	Photographic documentation	11
6.2	Determination of disintegration	11
6.2.1	General	11
6.2.2	Sieving procedure	11
6.2.3	Image analysis (photogrammetry)	12
6.3	Analysing characteristics of plastic materials (optional)	13
6.4	Monitoring environmental parameters (optional)	13
7	Demonstration of a biologically active marine environment (optional)	14
8	Test report	14
Annex A (normative)	Exposure to the sublittoral zone	15
Annex B (normative)	Exposure to the eulittoral zone	17
Annex C (informative)	Example of image analysis (photogrammetry)	20
Bibliography		22