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Part 4: test conditions for isotropic and orthotropic fiber-reinforced plastic composites. publication date. iso 527 consists of the following parts, under the general title iso 527 1 2 pdf plastics — determination of tensile properties: — part 1: general principles. 2 the methods are used to investigate the development of iso 527. each member body interested in a subject for which a technical. iso 527 is a family of standards covering tensile tests on plastics and composites. this standard has been revised by iso 527- 1:.

iso 527- 1: specifies the general principles for determining the tensile properties of plastics and plastic composites under defined conditions. the standards (isogeneral principles) and isotest conditions for molding and extrusion materials) describe tensile testing on plastics. isowas prepared by technical committee iso/ tc 61, plastics, subcommittee sc 2, mechanical properties. several different types of test specimen are defined to suit different types of material which are detailed in subsequent parts of iso 527.

— part 2 : test conditions for moulding and extrusion plastics. iso 527- 1: (e) foreword iso (the international organization for standardization) is a worldwide federation of national standards bodies (iso member bodies). status : withdrawn. part 1: general principles. part 2: test conditions for moulding and extrusion plastics.

requirements to the equipment. plastics — determination of tensile properties — part 5: test conditions for unidirectional fibre-reinforced plastic composites. iso 527- 1: (e) foreword. 1 this document specifies the general principles for determining the tensile properties of plastics and plastic composites under defined conditions.

preview this standard in our online browsing platform (obp) general information. this second edition cancels and replaces the first edition (iso 527- 2: 1993), which has been technically revised. 2 the methods are selectively suitable for use with the following range of materials:.. note 1 to entry: the number following dn or nps does not represent a measurable value and is not used for calculation purposes except where specified in a product standard. 1part of iso this 527 specifies the general principles for determining the tensile properties of plastics and plastic composites under defined conditions. 1 this part of iso 527 specifies the test con- ditions for determining the tensile properties of moulding and extrusion plastics, based upon the gen- eral principles given in iso 527- 1.

part 3: test conditions for films and sheets. a list of all parts in the iso 527 series can be found on the iso website. note 1 unidirectional reinforced materials are covered by iso 527- 5. 1 this part of iso 527 specifies the test conditions for determining the tensile properties of moulding and extrusion plastics, based upon the general principles given in iso 527- 1. the guiding principle of the iso 527 standard is the high reproducibility of test results across laboratories, companies and national borders. iso 527- 2: specifies the test conditions for determining the tensile properties of moulding and extrusion plastics, based upon the general principles given in iso 527■ 1. any feedback or questions on this document should be directed to the user' s national standards body. part 5: test conditions for unidirectional fiber-reinforced plastic composites. 1, modified — the terms " nominal size" and " nps" have been added, " nps".

the methods are used to investigate the tensile behaviour of the test specimens and for determining the tensile strength, tensile modulus, poisson' s ratios and other aspects of the tensile stress- strain

relationship under the defined conditions. international standard iso 527- 1: (e) plastics —
determination of tensile properties — part 1: general principles 1 scope 1. the work of preparing
international standards is normally carried out iso 527 1 2 pdf through iso technical committees. — part
3: test conditions for films and sheets. iso 527 consists of the following pdf parts, under pdf the general
title plastics — determination of tensile properties:.