

Contents of CAMPUS^â

6 Normative References

6 Normative References

6.1 Standards for Comparable Data, Molding and Testing

ISO 34-1:2004, Rubber, vulcanized or thermoplastic – Determination of tear strength – Part 1: Trouser, angle and crescent test pieces

ISO 62:2008, Plastics – Determination of water absorption

ISO/DIS 75-1:2004, Plastics – Determination of temperature of deflection under load – Part 1: General test method

ISO/DIS 75-2:2004, Plastics – Determination of temperature of deflection under load – Part 2: Plastics and ebonite

ISO 179-1:2000, Plastics – Determination of Charpy impact properties – Part 1: Non-instrumented impact test

ISO 179-1 DAM 1:2004

ISO 179-2:1997, Plastics – Determination of Charpy impact properties – Part 2: Instrumented test

ISO 179-2 Technical Corrigendum 1:1998

ISO/DIS 291:2008, Plastics – Standard atmospheres for conditioning and testing

ISO 293:2004, Plastics – Compression moulding of test specimens of thermoplastic materials

ISO 294-1:1996, Plastics – Injection moulding of test specimens of thermoplastic materials – Part 1: General principles, multipurpose and bar test specimens

ISO 294-1 AMD 1:2001

ISO 294-1 DAM 2:2003

ISO 294-3:2002, Plastics – Injection moulding of test specimens of thermoplastic materials – Part 3: Small plates

ISO 294-3 DAM 1:2002

ISO 294-4:2001, Plastics – Injection moulding of test specimens of thermoplastic materials – Part 4: Determination of moulding shrinkage

ISO 295:2004, Plastics – Compression moulding test specimens of thermosetting materials

ISO 306:2004, Plastics – Thermoplastics materials - Determination of Vicat softening temperature

ISO 307:2007, Plastics – Polyamides – Determination of viscosity number

ISO 527-1:1993, Plastics – Determination of tensile properties – Part 1: General principles
ISO 527-1 Technical Corrigendum 1:1994
ISO 527-1 DAM 1:2004

ISO 527-2:1993, Plastics – Determination of tensile properties – Part 2: Test conditions for moulding and extrusion plastics

ISO 527-3:1995, Plastics - Determination of tensile properties – Part 3: Test conditions for films and sheets
ISO 527-3 Technical Corrigendum 1: 2001

ISO 815:2008, Rubber, vulcanized or thermoplastic . Determination of compression set at ambient elevated or low temperatures

ISO/DIS 868:2001, Plastics and ebonite – Determination of indentation hardness by means of a durometer (Shore hardness)

ISO 899-1:2003, Plastics – Determination of creep behaviour – Part 1: Tensile creep

ISO/DIS 1133:2005, Plastics – Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics

ISO 1183-1:2004, Plastics – Methods for determining the density and relative density of non-cellular plastics – Part 1: Immersion method, pycnometer method and titration method

ISO/FDIS 1183-2:2004, Plastics – Methods for determining the density and relative density of non-cellular plastics – Part 2: Density gradient column method

ISO 1183-3:1999, Plastics – Methods for determining the density and relative density of non-cellular plastics – Part 3: Gas pycnometer method

ISO 1628-1:2009, Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscosimeters– Part 1: General principles

ISO 1628-2:1998, Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscosimeters– Part 2: Poly(vinylchloride) resins

ISO 1628-3:2001, Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscosimeters– Part 3: Polyethylenes and polypropylenes

ISO 1628-4:1999, Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscosimeters– Part 4: Polycarbonate (PC) moulding and extrusion materials

ISO 1628-5:1998, Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscosimeters– Part 5: Thermoplastic polyester (TP) homopolymers and copolymers

ISO 1628-6:1990, Plastics - Determination of the viscosity of polymers in dilute solution using capillary viscosimeters– Part 6: Methylmethacrylate polymers

ISO 2577:2007, Plastics – Thermosetting moulding materials – Determination of shrinkage

ISO 2813:1994, Paints and varnishes – Determination of the specular gloss of non-metallic paint films at 20°, 60° and 85°
ISO 2813 Technical Corrigendum 1:1997

ISO 2818:1994, Plastics – Preparation of test specimens by machining
ISO 2818 Technical Corrigendum 1:2007

ISO 3167:2002, Plastics – Multipurpose-test specimens

ISO 3795:1989, Road vehicles, and tractors and machinery for agriculture and forestry -- Determination of burning behaviour of interior materials

ISO 4589-1:1996, Plastics – Determination of flammability by oxygen index – Part 1: Guidance

ISO 4589-2:1996, Plastics – Determination of burning behaviour by oxygen index – Part 2: Ambient-temperature test
ISO 4589-2 DAM 1:2005

ISO 4649:2002, Rubber, vulcanized or thermoplastic – Determination of abrasion resistance using a rotating cylindrical drum device

ISO 4892-2:2006, Plastics -- Methods of exposure to laboratory light sources -- Part 2: Xenon-arc lamps
ISO 4892-2 DAM 1:2009

ISO 6383-2:1983, Plastics – Film and sheeting – Determination of tear resistance – Part 2: Elmendorf method

ISO 6603-2:2000, Plastics – Determination of puncture impact behaviour of rigid plastics – Part 2: Instrumented puncture test

ISO 6721-1:2001, Plastics – Determination of dynamic mechanical properties – Part 1: General principles

ISO 6721-2:2008, Plastics – Determination of dynamic mechanical properties – Part 2: Torsion pendulum
ISO 6721-2 Technical Corrigendum 1:1995

ISO 6721-7:1996, Plastics – Determination of dynamic mechanical properties – Part 7: Torsional vibration – Non-resonance method
ISO 6721-7 DAM1:2007

ISO 7765-1:1988, Plastics film and sheeting – Determination of impact resistance by the free-falling dart method – Part 1: Staircase methods

ISO 8256:2004, Plastics – Determination of tensile-impact strength

ISO 8295:1995, Plastics – Film and sheeting – Determination of the coefficients of friction

ISO 10350-1:2007, Plastics – Acquisition and presentation of comparable single-point data – Part 1: Moulding materials

ISO 10724-1:1998, Plastics – Injection moulding of test specimens of thermosetting powder and moulding compounds (PMCs) – Part 1: General principles and multipurpose-test specimens

ISO 10724-2:1998, Plastics – Injection moulding of test specimens of thermosetting powder and moulding compounds (PMCs) – Part 2: Small plates

ISO 11357-1:2009, Plastics – Differential scanning calorimetry (DSC) – Part 1: General principles

ISO 11357-2:1999, Plastics – Differential scanning calorimetry (DSC) – Part 2: Determination of glass transition temperature

ISO 11357-3:1999, Plastics – Differential scanning calorimetry (DSC) – Part 3: Determination of temperature and enthalpy of melting and crystallisation

ISO 11357-3 DAM 1:2005

ISO 11357-4:2005, Plastics – Differential scanning calorimetry (DSC) – Part 4: Determination of specific heat capacity

ISO 11359-1:1999, Plastics – Thermomechanical analysis (TMA) – Part 1: General principles

ISO 11359-2:1999, Plastics – Thermomechanical analysis (TMA) – Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature

ISO 11403-1:2001, Plastics – Acquisition and presentation of comparable multipoint data – Part 1: Mechanical properties

ISO 11403-2:2004, Plastics – Acquisition and presentation of comparable multipoint data – Part 2: Thermal and processing properties

ISO 11443:2005, Plastics – Determination of the fluidity of plastics using capillary and slit die rheometers

ISO 13468-1:1996, Plastics - Determination of the total luminous transmittance of transparent materials - Part 1: Single-beam instrument

ISO 13468-2:1999, Plastics - Determination of the total luminous transmittance of transparent materials - Part 2: Double-beam instrument

ISO 13802:1999, Plastics – Verification of pendulum impact-testing machines – Charpy, Izod and tensile impact testing

ISO 13802 Technical Corrigendum 1:2000

ISO 14782:1999, Plastics – Determination of haze for transparent materials

ISO 15105-1:2007, Plastics – Film and sheeting – Determination of gas transmission rate – Part 1: Differential-pressure method

ISO 15105-2:2003, Plastics – Film and sheeting – Determination of gas transmission rate – Part 2: Equal-pressure method

ISO 15106-1:2003, Plastics – Film and sheeting – Determination of water vapour transmission rate – Part 1: Humidity detection sensor method

ISO 15106-2:2003, Plastics – Film and sheeting – Determination of water vapour transmission rate – Part 2: Infrared detection sensor method

ISO 15512:2008, Plastics – Determination of water content

ISO 17744:2004, Plastics and elastomers – Determination of specific volume as a function of temperature and pressure (pvT diagram) – Piston apparatus method

IEC 60093:1980, Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials

IEC 60112:2003, Method for determining comparative and the proof tracking indices of solid insulating materials under moist conditions

IEC 60216-1:2001, Electrical insulating materials - Properties of thermal endurance - Part 1: Ageing procedures and evaluation of test results Maintenance

IEC 60216-6:2006, Electrical insulating materials - Thermal endurance properties - Part 6: Determination of thermal endurance indices (TI and RTE) of an insulating material using the fixed time frame method

IEC 60243-1:1998, Methods of test for electric strength of solid insulating materials – Part 1: Tests at power frequencies

IEC 60250:1969, Recommended methods for the determination of the permittivity and dielectric dissipation factor of electrical insulating materials at power, audio and radio frequencies including meter wave lengths

IEC 60296:2003, Specification for unused mineral insulating oils for transformers and switchgears.

IEC 60695-11-10:2003, Fire hazard testing-Part 11-10: Test flames – 50W horizontal and vertical flame test methods

IEC 60695-11-20:2003, Fire hazard testing-Part 11-20: Test flames – 500W flame test methods

VDA 270:1992, Determination of the odour characteristics of trim materials in motor vehicles

VDA 277:1995, Non-metallic materials for automotive interior - determination of emission of organic compounds

VDA 278:2002, Thermodesorption analysis of organic emissions for characterisation of non-metallic materials for automobiles

UL 94:2009, Tests for flammability of plastic materials for parts in devices and appliances, Underwriters Laboratories Inc., USA

6.2 Standards for Thermoplastic Materials

ISO 1060-1:1998, Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 1: Designation system and basis for specification

ISO 1060-2:1998, Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 2: Preparation of test samples and determination of properties

ISO 1163-1:1995, Plastics – Unplasticised poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 1163-2:1995, Plastics – Unplasticised poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 1: Determination of properties

ISO 1622-1:1994, Plastics – Polystyrene (PS) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 1622-2:1995, Plastics – Polystyrene (PS) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 1872-1:1993, Plastics – Polyethylene (PE) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 1872-2:2007, Plastics – Polyethylene (PE) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 1873-1:1995, Plastics – Polypropylene (PP) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 1873-2:2007, Plastics – Polypropylene (PP) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 1874-1:1992, Plastics – Polyamide (PA) moulding and extrusion materials – Part 1: Designation

ISO 1874-2:1995, Plastics – Polyamide (PA) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 2580-1:2002, Plastics – Acrylonitrile/butadiene/styrene (ABS) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 2580-2:2003, Plastics – Acrylonitrile/butadiene/styrene (ABS) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 2897-1:1997, Plastics – Impact-resistant polystyrene (PS-I) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 2897-2:2003, Plastics – Impact-resistant polystyrene (PS-I) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 2898-1:1996, Plastics – Plasticised compounds of homopolymers and copolymers of vinyl chloride (PVC-P) – Part1: Designation

ISO 2898-2:2008, Plastics – Plasticised compounds of homopolymers and copolymers of vinyl chloride (PVC-P) – Part 2: Preparation of test specimens and determination of properties

ISO 4613-1:1993, Plastics – Ethylene/vinyl acetate (EVAC) moulding and extrusion materials – Part 1: Designation and specification

ISO 4613-2:1995, Plastics – Ethylene/vinyl acetate (EVAC) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 4613-2 DAM 1 Draft:2001

ISO 4894-1:1997, Plastics – Styrene/acrylonitrile (SAN) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 4894-2:1995, Plastics – Styrene/acrylonitrile (SAN) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 6402-1:2002, Plastics - Acrylonitrile/styrene/acrylate (ASA), acrylonitrile/ethylene-propylene-diene/styrene (AEPDS) and acrylonitrile/chlorinated polyethylene/styrene (ACS) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 6402-2:2003, Plastics - Acrylonitrile/styrene/acrylate (ASA), acrylonitrile/ethylene-propylene-diene/styrene (AEPDS) and acrylonitrile/chlorinated polyethylene/styrene (ACS) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 7391-1:2006, Plastics – Polycarbonate (PC) moulding and extrusion materials – Part 1: Designation

ISO 7391-2:2006, Plastics – Polycarbonate (PC) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 7792-1:1997, Plastics – Thermoplastic polyester (TP) moulding and extrusion materials - - Part 1: Designation system and basis for specifications

ISO 7792-2:1997, Plastics – Thermoplastic polyester (TP) moulding and extrusion materials - - Part 2: Preparation of test specimens and determination of properties

ISO 8257-1:1998, Plastics – Poly(methylmethacrylate) (PMMA) moulding and extrusion materials – Part 1: Designation

ISO 8257-2:2001, Plastics – Poly(methylmethacrylate) (PMMA) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 8986-1:2009, Plastics – Polybutene (PB) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 8986-2:2009, Plastics – Polybutene (PB) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 8986-2 DAM1:2000

ISO 9988-1:2004, Plastics – Polyoxymethylene (POM) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 9988-2:2006, Plastics – Polyoxymethylene (POM) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 10366-1:2002, Plastics – Methylmethacrylate/acrylonitrile/butadiene/styrene (MABS) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 10366-2:2003, Plastics – Methylmethacrylate/acrylonitrile/butadiene/styrene (MABS) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 11542-1:2001, Plastics – Ultra-high-molecular weight polyethylene (PE-UHMW) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 11542-2:1998, Plastics – Ultra-high-molecular weight polyethylene (PE-UHMW) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 11542-2 Technical Corrigendum 1:2007

ISO 12086-1:2006, Plastics – Fluoropolymer dispersions and moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 12086-2 Technical Corrigendum 1:2006

ISO 12086-2:1995, Plastics – Fluoropolymer dispersions and moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 14663-1:1999, Plastics – Ethylene/vinyl alcohol (EVOH) copolymer moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 14663-2:1999, Plastics – Ethylene/vinyl alcohol (EVOH) copolymer moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 14910-1:1997, Plastics – Thermoplastic polyester/ester and polyether/ester elastomers for moulding and extrusion – Part 1: Designation system and basis for specification

ISO 14910-2:1997, Thermoplastic polyester/ester and polyether/ester elastomers for moulding and extrusion – Part 2: Preparation of test specimens and determination of properties

ISO 15103-1:2000, Polyphenylene ether (PPE) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 15103-2:2007, Polyphenylene ether (PPE) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

ISO 15526-1:2000, Polyketone (PK) moulding and extrusion materials – Part 1: Designation system and basis for specification

ISO 15526-2:2000, Polyketone (PK) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

Missing International Standards for the materials LCP, PES, PPS, PPSU, PSU and TEEE.

6.3 Standards for Abbreviated Description of Plastic

ISO 1043-1:2001, Plastics - Symbols and abbreviated terms - Part 1: Basic Polymers and their special characteristics

ISO 1043-2:2000, Plastics - Symbols and abbreviated terms - Part 2: Fillers and reinforcing materials

ISO 1043-3:1996, Plastics - Symbols and abbreviated terms - Part 3: Plasticisers

ISO 1043-4:1998, Plastics - Symbols and abbreviated terms - Part 4: Flame retardants

ISO 11469:2000, Plastics - Generic identification and marking of plastics products

ISO 18064:2003, Thermoplastic elastomers - Nomenclature and abbreviated terms