

NORMATIVAS CERTIFICADAS PARA DSC (DIFFERENTIAL SCANNING CALORIMETRY)

AENOR	ISO	ASTM*	DESCRIPTION
UNE-EN ISO 11357-1:2010	ISO 11357-1:2009	ASTM D3418-15	Plásticos. Calorimetría diferencial de barrido (DSC). Parte 1: Principios generales. Plastics-Polymers -- Differential scanning calorimetry (DSC) -- Part 1: General principles
UNE-EN ISO 11357-2:2015	ISO 11357-2:2013	ASTM D3418-15	Parte 2: Determinación de la temperatura de transición vítrea y de la altura del escalón de transición vítrea. Plastics-Polymers -- Differential scanning calorimetry (DSC) -- Part 2: Determination of glass transition temperature and glass transition step height
UNE-EN ISO 11357-3:2013	ISO 11357-3:2011	ASTM D3418-15	Parte 3: Determinación de la temperatura y de la entalpía de fusión y de cristalización. (ISO 11357-3:2011). Plastics-Polymers -- Differential scanning calorimetry (DSC) -- Part 3: Determination of temperature and enthalpy of melting and crystallization.
UNE-EN ISO 11357-5:2015	ISO 11357-5:2013	ASTM E2041-13e1 ASTM E2070-13	Plásticos. Calorimetría diferencial de barrido (DSC). Parte 3: Determinación de las temperaturas y los tiempos característicos de la curva de reacción, la entalpía de la reacción y el grado de conversión. Plastics-Polymers -- Differential scanning calorimetry (DSC) -- Part 5: Determination of characteristic reaction-curve temperatures and times, enthalpy of reaction and degree of conversión.
UNE-EN ISO 11357-4:2014	ISO 11357-4:2014	ASTM E1269-11	Plásticos. Calorimetría diferencial de barrido (DSC). Parte 4: Determinación de la capacidad térmica específica. Plastics-Polymers -- Differential scanning calorimetry (DSC) -- Part 4: Determination of specific heat capacity
UNE-EN ISO 11357-6:2013	ISO 11357-6:2008	ASTM D3895	Plásticos. Calorimetría diferencial de barrido (DSC). Parte 6: Determinación del tiempo de inducción a la oxidación (OIT isotérmico) y de la temperatura de

			<p>inducción a la oxidación (OIT dinámica).</p> <p>Plastics-Polymers -- Differential scanning calorimetry (DSC) -- Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT).</p>
UNE-EN ISO 11357-7:2013	ISO 11357-7:2002	ASTM E793-06(2012)	<p>Plásticos. Calorimetría diferencial de barrido (DSC). Parte 7: Determinación de la cinética de cristalización.</p> <p>Plastics-Polymers (Thermosets) -- Differential scanning calorimetry (DSC) -- Part 7: Determination of crystallization kinetics.</p>
-	-	ASTM E2716-09	Standard Test Method for Determining Specific Heat Capacity by Sinusoidal Modulated Temperature Differential Scanning Calorimetry (MDSC).
-	ISO 22768:2006	ASTM D7426	Rubber, raw -- Determination of the glass transition temperature by differential scanning calorimetry (DSC)
-	ISO 18373-1:2007	ASTM D5857-15	Rigid PVC pipes – Differential scanning calorimetry (DSC) method – Part 1: Measurement of the processing temperature
-	ISO 18373-2:2008	ASTM D5857-15	Rigid PVC pipes -- Differential scanning calorimetry (DSC) method -- Part 2: Measurement of the enthalpy of fusion of crystallites
-	ISO 16805:2003	-	Binders for paints and varnishes – Determination of glass transition temperature
-	ISO 15309:2013	ASTM D3417 Y ASTM D3418	Implants for surgery -- Differential scanning calorimetry of poly ether ether ketone (PEEK) polymers and compounds for use in implantable medical devices
-	ISO 3213:2009	ASTM E2041-13e1 ASTM E2070-13	Polypropylene (PP) pipes -- Effect of time and temperature on the expected strength.
	ISO 28343:2010	ASTM D7426	Rubber compounding ingredients -- Process oils -- Determination of glass transition temperature by DSC
-	-	ASTM D1519-95	Standard Test Methods for Rubber Chemicals—Determination of Melting Range

*Esta tabla no contiene el listado completo para las normativas ISO & ASTM para DSC; por favor consúltenos para una mayor información específica relacionada a la caracterización por DSC (Differential Scanning Calorimeter)

NORMATIVAS CERTIFICADAS PARA TGA (THERMOGRAVIMÉTRIC ANALYSIS)

AENOR	ISO	ASTM*	DESCRIPTION
UNE-EN ISO 11358-1:2015	ISO 11358-1:2014	ASTM E1131-03	Plásticos. Termogravimetría (TG) de polímeros. Parte 1: Principios generales.
-	-	ASTM E1131-08	Standard Test Method for Compositional Analysis by Thermogravimetry
-	-	ASTM E2550-11	Standard Test Method for Thermal Stability by Thermogravimetry
-	ISO 11358-2:2014 ISO 11358-3:2013	ASTM E1641 -04	ISO: Plastics -- Thermogravimetry (TG) of polymers -- Part 2: Determination of activation energy ASTM: Standard Test Method for Decomposition Kinetics by Thermogravimetry.
-	ISO/TS 11308:2011	-	Nanotechnologies -- Characterization of single-wall carbon nanotubes using thermogravimetric analysis
-	-	ASTM D6370-99	Standard Test Method for Rubber—Compositional Analysis by Thermogravimetry (TGA)
-	-	ASTM D3850-12	Standard Test Method for Rapid Thermal Degradation of Solid Electrical Insulating Materials By Thermogravimetric Method (TGA)
-	-	ASTM E1868-10	Standard Test Methods for Loss-On-Drying by Thermogravimetry
-	-	ASTM D2369-10**	Standard Test Method for Volatile Content (VOCs) of Coatings.
-	-	ASTM D5325-03**	Standard Test Method for Determination of Weight Percent Volatile Content of Water-Borne Aerosol Paints.
-	-	ASTM D1259**	Standard Test Methods for Nonvolatile Content of Resin Solutions



-	-	ASTM D2832-92**	Standard Guide for Determining Volatile and Nonvolatile Content of Paint and Related Coatings
-	-	ASTM D6419-00**	Standard Test Method for Volatile Content of Sheet-Fed and Coldset Web Offset Printing Inks
-	-	ASTM D5087-02**	Standard Test Method for Determining Amount of Volatile Organic Compound (VOC) Released from Solventborne Automotive Coatings and Available for Removal in a VOC Control Device (Abatement)
-	-	ASTM D7232-06**	Standard Test Method for Rapid Determination of the Nonvolatile Content of Coatings by Loss in Weight.
-	-	ASTM D3960-05**	Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings.
-	-	STP997	Compositional Analysis of Drugs and Injectable Biological Products by Thermogravimetry
-	-	ASTM E2008-08	Standard Test Methods for Volatility Rate by Thermogravimetry.
-	-	ASTM D5805-00	Standard Test Methods for Rubber—Determination of Carbon Black in Masterbatches
-	-	ASTM E2402-11	Standard Test Method for Mass Loss and Residue Measurement Validation of Thermogravimetric Analyzers
-	-	ASTM D6602-13	Standard Practice for Sampling and Testing of Possible Carbon Black Fugitive Emissions or Other Environmental Particulate, or Both.
-	-	ASTM D5577-94	Standard Guide for Techniques to Separate and Identify Contaminants in Recycled Plastics
-	-	ASTM E3007-15	Standard Practice for Kinetic Values Used to Evaluate the Study of Decomposition Reactions by Thermogravimetry

*Esta tabla no contiene el listado completo para las normativas ISO y ASTM para TGA; por favor consúltenos para una mayor información específica relacionada en la caracterización por TGA (Thermogravimetric Analysis)

** Normas que no utilizan directamente TGA pero están muy relacionadas con las **ASTM E2008-08, ASTM E1868-10 y ASTM E1131-08.**