



TURKISH ACCREDITATION AGENCY

ACCREDITATION CERTIFICATE

As a Testing Laboratory

FUDEL FIRAT PLASTİK KAUÇUK SANAYİ VE TİCARET A. Ş. Uygunluk Değerlendirme Laboratuvarı

Central Address: TÜRKİBA MAH. FIRAT PLASTİK CAD. NO:23/1 BÜYÜKÇEKMECE İstanbul / Türkiye

is accredited in accordance with TS EN ISO/IEC 17025:2017 standard within the scope given in Annex following the assessment conducted by TURKAK.

Accreditation Number : AB-0391-T

Accreditation Date : 15.02.2011

Revision Date / Number : 09.02.2024 / 08

This certificate shall remain in force until **09.10.2027**, subject to continuing compliance with the standard **TS EN ISO/IEC 17025:2017**, related regulations and requirements.

Gülden Banu Müderrisoğlu
Secretary General



Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Agreement (MRA) in the scope of ISO/IEC 17025.

This document has been signed by Gülden Banu Müderrisoğlu with a secure electronic signature in accordance with the electronic signature law numbered 5070. Use the QR code to verify the e-signed document.

 Test TS EN ISO/IEC 17025 AB-0391-T	FUDEL FIRAT PLASTİK KAUKÇUK SANAYİ VE TİCARET A. Ş. Uygunluk Değerlendirme Laboratuvarı Accreditation Nr: AB-0391-T Revision Nr: 08 Date: 09.02.2024 Testing Laboratory Address : TÜRKİYE MAH. FIRAT PLASTİK CAD. NO:23/1 BÜYÜKÇEKMECE İstanbul / Türkiye Phone : +90 212 866 4434 Fax : - Email : b.kara@firat.com Website :
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Plastic and Rubber Products		
Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of the Melt Mass - Flow Rate (MFR)	TS EN ISO 1133-1 (Method A)
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Density	TS EN ISO 1183-1 (Method A)
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Oxidation Induction Time (OIT)	TS EN ISO 11357-6 TS EN ISO 11357-1
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Dimensions	TS EN ISO 3126
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Volatile Content	TS EN ISO 12099
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Assessment of the Degree of Pigment or Carbon Black Dispersion	TS ISO 18553 BS 2782-8 (Method 823A)
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Methods for Visually Assessing the Effects of Heating	TS EN ISO 580
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of the Tensile Strength and Failure Mode of Test Pieces from a Butt-Fused Joint	TS ISO 13953
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Test Method for the Resistance to Internal Pressure after Application of Squeeze-Off (Max d=630 mm)	TS EN 12106
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Carbon Black Content by Calcination and Pyrolysis	TS ISO 6964 ASTM D4218
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Tensile Properties (Max= 150 kN)	TS EN ISO 6259-1 TS EN ISO 6259-3
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Oven Test	TS ISO 12091
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Ring Stiffness (Max d= 2700 mm)	DIN 16961-2 Clause 5.2.1 TS 12132 Clause 2.3.3
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Ring Flexibility (Max d= 1200 mm)	TS EN ISO 13968
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Ring Stiffness (Max d= 1200 mm)	TS EN ISO 9969
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Plastics Pipes and Fittings-Crushing Decohesion Test for Polyethylene (PE) Electrofusion Assemblies	TS ISO 13955

Accreditation Scope

 Test TS EN ISO/IEC 17025 AB-0391-T	FUDEL FIRAT PLASTİK KAUÇUK SANAYİ VE TİCARET A. Ş. Uygunluk Değerlendirme Laboratuvarı Accreditation Nr: AB-0391-T Revision Nr: 08 Date: 09.02.2024 Testing Laboratory Address : TÜRKİYE MAH. FIRAT PLASTİK CAD. NO:23/1 BÜYÜKÇEKMECE İstanbul / Türkiye Phone : +90 212 866 4434 Fax : Email : b.kara@firat.com Website :	
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Peel Decohesion Test for Polyethylene (PE) Electrofusion Assemblies of Nominal Outside Diameter Greater than or Equal to 90 mm	TS ISO 13954
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Longitudinal Reversion	TS EN ISO 2505
Plastics, Thermoplastic Pipes and Fittings, Plastic Piping Systems	Determination of Watertightness	TS EN ISO 13254
Plastics, Thermoplastic Pipes and Fittings, Plastic Piping Systems	Determination of Resistance to External Blows - Round-the-Clock Method (Max D=1000 mm)	TS EN ISO 3127
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of the Resistance to Internal Pressure (Max d= 2500 mm)	TS EN ISO 1167-1 TS EN ISO 1167-2
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Resistance to Crack Propagation-Test Method for Slow Crack Growth on Notched Pipes (Notch Test)	EN ISO 13479
Plastics, Thermoplastic Pipes and Fittings, Plastic Pipe Systems	Determination of Resistance to Rapid Crack Propagation (RCP)	TS EN ISO 13477

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Accreditation Nr: AB-0391-T
Revision Nr: 08 Date: 09.02.2024

Construction Materials, Products and Buildings

Tested Materials / Products	Name of Test	Testing Method (National, International Standards, In-house Methods)
Doors and Windows	Air Permeability	TS EN 1026
Doors and Windows	Air Permeability - Classification	TS EN 12207
Doors and Windows	Watertightness	TS EN 1027
Doors and Windows	Watertightness-Classification	TS EN 12208
Doors and Windows	Resistance to Wind Load - Classification	TS EN 12210
Doors and Windows	Resistance to Wind Load - Test Method	TS EN 12211
Doors and Windows	Determination of the Resistance to Static Torsion	TS EN 14609
Doors and Windows	Thermal Performance - Calculation of Thermal Transmittance - Simplified Method	TS EN ISO 10077-1

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