
PROWHITE®
TEST EQUIPMENT

About Us

PRO-SER has been producing test equipments and auxiliary test equipments at BS, DIN, ISO, AATCC standards since 1998 till present.

PRO-SER, which offers the entire product portfolio to the end users with the PROWHITE brand, reaches its customers directly to different countries or through its dealers.

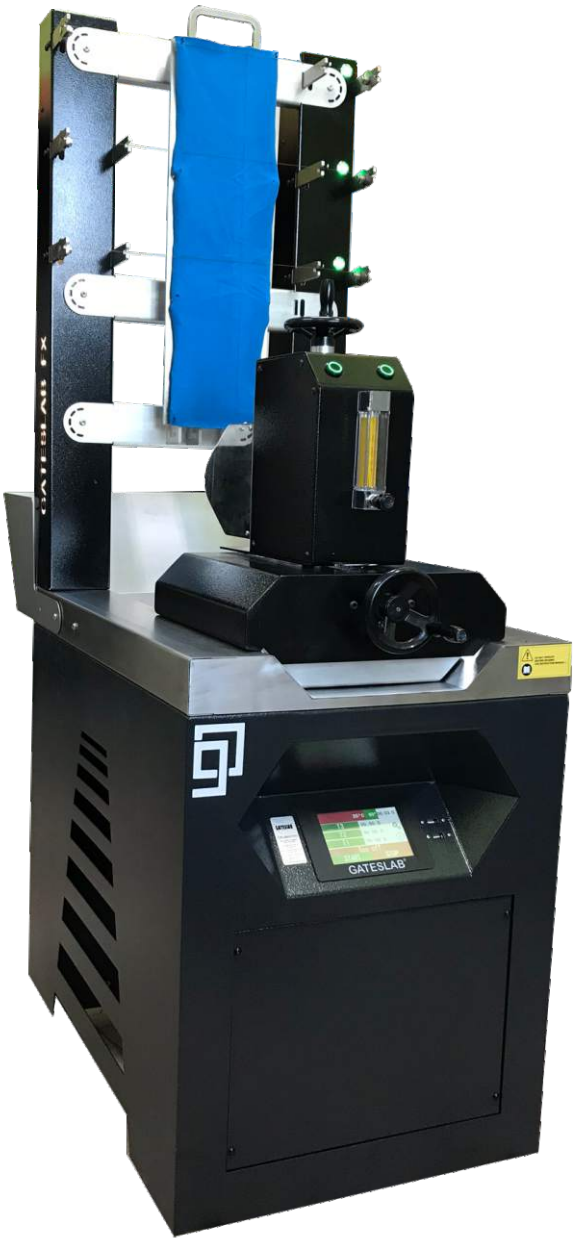
PRO-SER company which is formed by combining the founders of the company Seven Yılmaztürk and Cengiz Yılmaztürk's experiences in technology, textile, education and food fields.Today, PRO-SER has become an international company that has been recognized all over the world with its expert staff and wide technological capability.Besides standard testing equipments PRO-SER has the capacity to produce new technological test equipments thus became a solution oriented partner to many other companies all over the world.

The production process of products is done with strict discipline standards in order to guarantee 100% compatibility and continuity.We would like to thank through this catalogue over 3000 customers whom have been trusting and working with us since 1998.

Flammability

F-001

VERTICAL FLAMMABILITY



Vertical Flammability Tester used to measure flame splash properties in protective clothing classified against heat and fire.

Also it can applied for toys, curtains, covers and upholsterys. Incombustibility testes with special apparatus.

Through the touch screen controller and PC communication you can add different test methods.ch structure, etc) used as clothes, drapery and upholstery in the samples fired from the edge at 45 ° position.

Flammability Tester

Standards	ISO 6940, ISO 6941, BS 5438, ISO 15025

F-002

NFPA 701 FLAMMABILITY

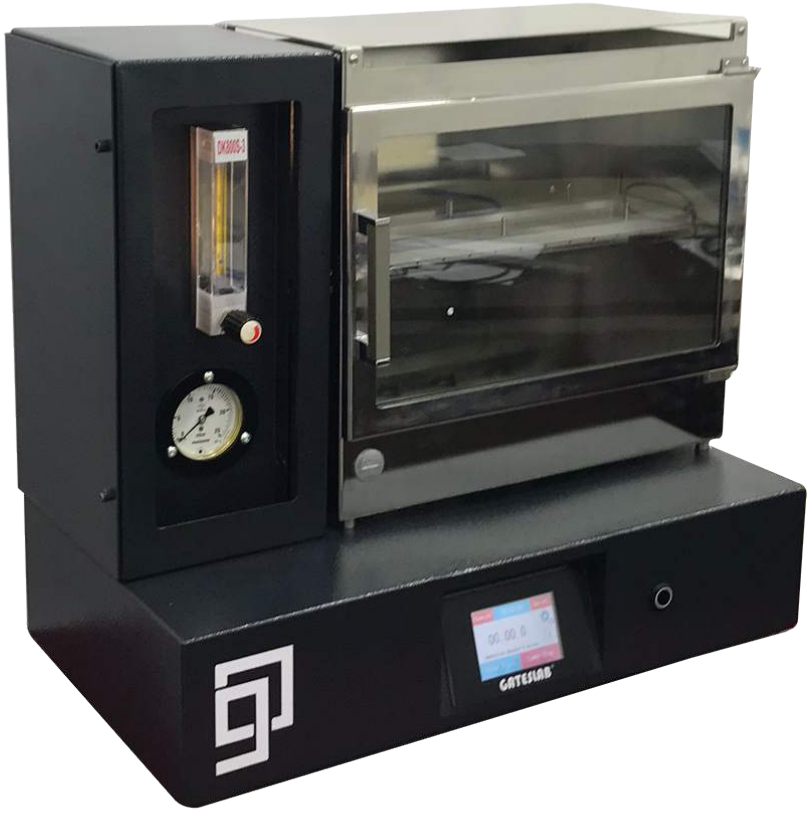
Flammability Tester

NFPA 701 Flammability Tester, to determine the ignition resistance properties of draperies and other hanging fabrics according to test method NFPA 701 Test Method 1, and it is suitable for single-layer or multi-layer fabrics, but not suitable for fabrics with density larger than 700g/m² (21oz/yd²)

Standards	NFPA 701:2004 Test Method 1

F-003

HORIZONTAL FLAMMABILITY



Horizontal Flammability Tester is used to determine the comparative burn rates and resistance of textiles, particularly those for automotive and air craft interiors use.

It is designed stainless steel cabinet with observation window, sample holder and burner.

Standards	ASTM D 5132, ISO 3795 SAE J369, FAR Part 25 Appendix F Part I, RENAULT D45 1333, FMV SS 302 JIS D 1201

F-004

BLANKET FLAMMABILITY

The blanket burning tester is used to determine fire resistance properties of blanks.Many different test methods can be installed help with touch screen control unit and computer connection.

Standards	ASTM D 4151

F-005

45° FLAMMABILITY

It is used to determine the flame propagation properties(flame propagation speed, destructed length, duration of torch burning and so on) of single- or multi-component textile products(coated, quilted, multi-layered sandwich structure, etc) used as clothes, drapery and upholstery in the samples fired from the edge at 45 ° position.

Standards	ASTM D 1230, TS 6344, NFPA 702, 16 CFR 1610

F-006

UL 94

The horizontal, vertical and angled combustion tester is used to determine the combustion characteristics of certain flame-exposed plastics and films. UL 94 test method is about fire security.It used to classify plastics in electric tools.

Also can be applied different flammability testes with special apparatus. Through the touch screen controller and PC communication you can add different test methods.

Standards

Horizontal Burning Test;HB (ASTM D 635, IEC 60695-11-10)
Vertical Burning Test:V-1,V-2,V-3 (ASTM D 3801 , IEC 60695-11-10, IEC60695-11-2)
Horizontal Burning Foamed Material Test: HBF,HF-1,HF-2 (ASTM D 4986 , ISO 9772)
Thin Material Vertical Burning Test :VTM-0,VTM-1,VTM-2 (ASTM D 4804 , ISO 9773)
Vertical Burning Test; 5VA or 5VB (ASTM D 5048 or IEC 60695-11-20) for plaque

F-007

CRITICAL (LIMITING) OXYGEN INDEX

The Limit Oxygen Index Tester is used in the determination of the minimum oxygen concentration required to be present in the nitrogen-oxygen mixtures for the continuation of the flushes of the test specimens in the veritacal position under certain test conditions.Device automatically adjusts the oxygen-nitrogen concentration.So operator errors are reduced to a minimum and consistency is ensured between tests. Through the touch screen controller and PC communication you can add different test methods.

Standards	ISO 4589, ASTM D 2863

F-008

FLAMMABILITY TEST RIG (UPHOLSTERY)

For determining the ignitability of material combinations for upholstered seating. The test rigs are covered with standard foam and the fabric under test. The assembly is then ignited using one of the standard ignition sources and the combustion process is monitored.

Includes large and small test rig, timer, flow meter.

Optional accessories include foam pads, wooden cribs, burner tube, cutting templates, and standard cigarette

Standards	BS 5852 PARTS 1-2, ISO 8191 PARTS 1-2

M1-503 FIRE RESISTANCE TESTER

The electrical burner test is the reaction to fire main test for M classification of building and fitting materials. It is used mainly for flexible materials with a thickness lower than or equal to 5 mm.

This test allows the M1 to M3 classification, if there is no holing without inflammation or with short time inflammation, nor inflamed or not dripping. It is also employed to study the burning behaviour of industrial fabrics according to NF EN 14115

Standards	NF P 92-503

F9-504

M1-504 FIRE RESISTANCE TESTER

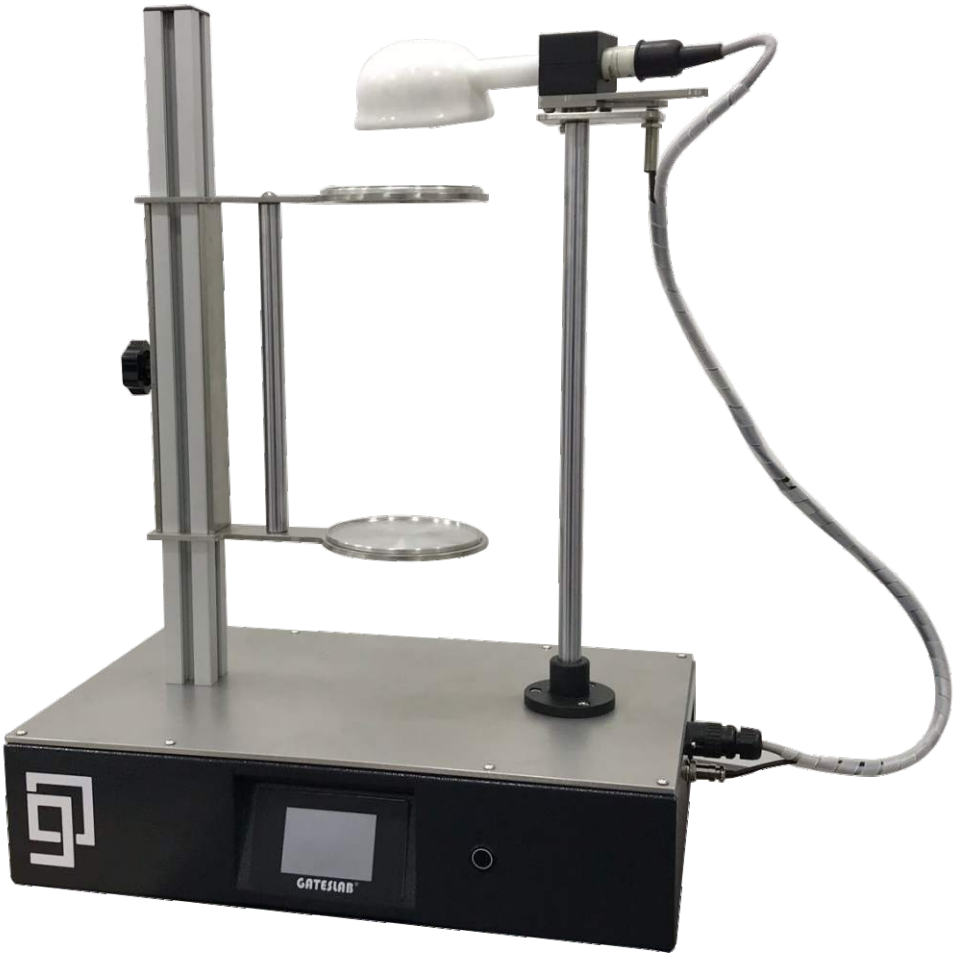
The flame persistency test is a reaction to fire complementary test for M classification of building and fitting materials. It is used for flexibleand rigid materials of any thickness which develop holes without combustion or with short time combustion during the main test.

This test allows to classify the material in M1, M2 or M3 categories. In case of combust or not dripping, the final classification will be made after the dripping test (NF P 92-505).

The flame propagation test is performed with the same apparatus and is used for M4 classification of flexible and rigid materials of any thickness

Standards	NF P 92-504

M1-505 FIRE RESISTANCE TESTER



NF P 92-505 test is a reaction to fire complementary test for M classification of building and fitting materials. It is used for thermalmelting materials for which some inflamed or not dripping, were noticed during the main test (electrical burner test or epiradiator cabinet) or even during the complementary flame persistency test.

This test allows to maintain or to lower the classification obtained at the main test or at the complementary flame persistency test.

Standards	NF P 92-505

some of our references

Gamatest
LABORATUVAR HİZMETLERİ

T.C. İSTANBUL ÜNİVERSİTESİ
1453

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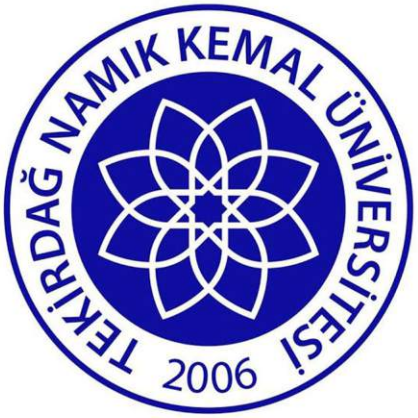
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