



**GEZDERI**

SYNTHETIC LEATHER / COATED FABRIC

# ESCR SERIES

Environmental Stress Crack Resistance  
Synthetic Leather for Upholstery



ANTI CRACK

ANTIBACTERIAL



# Environmental Stress Crack Resistant

PU / PVC Coated Fabric

For Upholstery

## ESCR Series

- Resistant to sweat and oil / oleic acid agents those cause cracking.
- Produced with specific chemicals for durability and long service life.
- Designed for intensive use and high traffic areas.
- Antimicrobial, resistant to bacteria and mould.

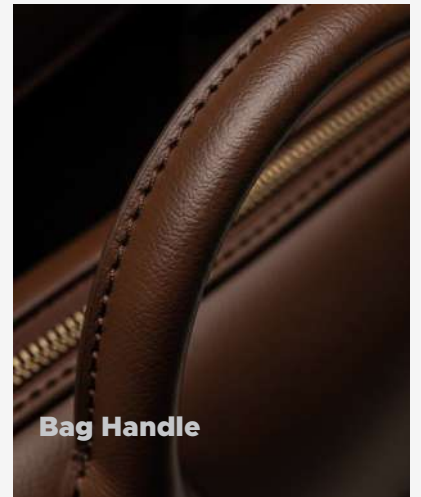


ANTI CRACK

ANTIBACTERIAL



Airport Seating



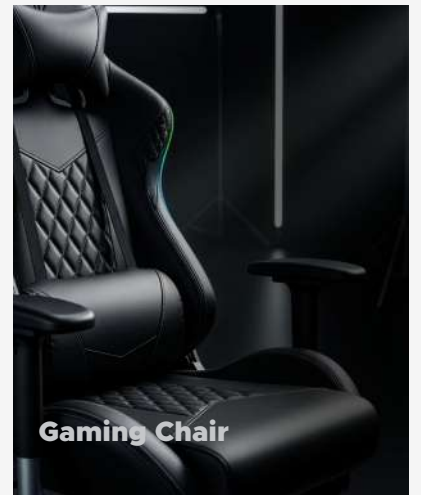
Bag Handle



Headphone Earpad



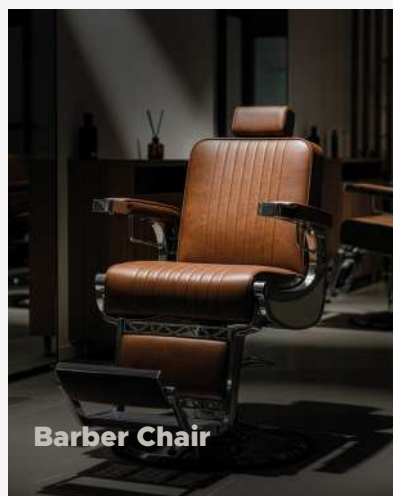
Gym Bench



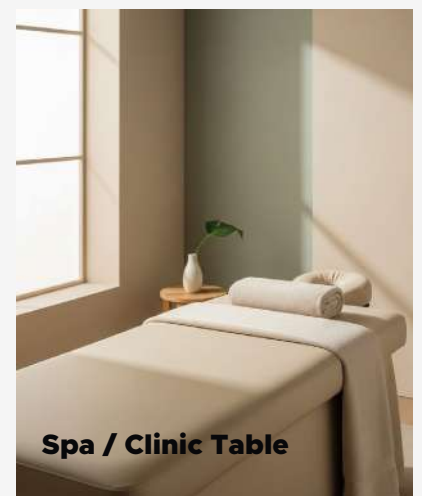
Gaming Chair



Collar



Barber Chair



Spa / Clinic Table

## ECOLOGICAL PROPERTIES

| Property                                | Unit | Value | Standard           |
|---|------|-------|--------------------|
| Phthalates                              | %    | 0     | CPSC-CH-C1001-09.3 |
| Prohibited Azo Dyes                     | ppm  | 0     | EN ISO 14362-1     |
| Carcinogenic & Allergenic Disperse Dyes | ppm  | 0     | EN ISO 16373-2     |
| Heavy Metals                            |      | 0     | EN ISO 17072-2     |

## PHYSICAL PROPERTIES

| Property    | Unit             | Value       | Standard   |
|-------------|------------------|-------------|------------|
| Width       | cm               | 140         | ISO 2286-1 |
| Roll Length | mt               | 30          | ISO 2286-1 |
| Weight      | g/m <sup>2</sup> | 500 ± 10    | ISO 2286-2 |
| Thickness   | mm               | 1.10 ± 0.05 | ISO 2286-3 |

## PERFORMANCE PROPERTIES

| Property  | Unit         | Result        | Standard                     |
|---|--------------|---------------|------------------------------|
| Environmental Stress Crack Resistance(*)            | -            | Pass          | ASTM D543 Proc.B             |
| Abrasion Resistance (Martindale)                    | rub @ 12kPa  | ≥ 100.000     | ISO 5470-2                   |
| Abrasion Resistance After Heat Aging (168h @ 100°C) | rub @ 12kPa  | ≥ 100.000     | ISO 5470-2                   |
| Bally Flex Resistance                               | cycle @ 25°C | ≥ 300.000     | ISO 5402-1                   |
| Bally Flex After Heat Aging (168h @ 100°C)          | cycle @ 25°C | ≥ 300.000     | ISO 5402-1                   |
| Light Fastness                                      | bw           | ≥ 5           | ISO 105-B06 con.3            |
| Color Fastness to Rubbing                           | gs           | dry 5 / wet 5 | ISO 105-X12                  |
| Mold / Mildew Resistance                            | -            | Pass          | AATCC 30                     |
| Antibacterial Resistance                            | -            | Pass          | ATCC 33592, 6538, 4352, 8739 |

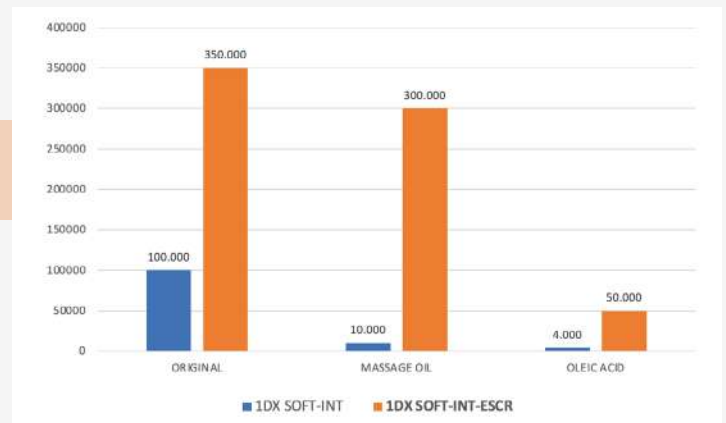
## COMPOSITION

| Component                   | Ratio (%) |
|-----------------------------|-----------|
| Polyurethane                | 2         |
| PVC (Polyvinyl Chloride)    | 78        |
| Polyester (backing textile) | 20        |

## MECHANICAL PROPERTIES

| Property                  | Unit | Value       | Standard            |
|---------------------------|------|-------------|---------------------|
| Tensile Strength (L/W)    | N    | ≥ 250 / 200 | ISO 1421-1          |
| Elongation at Break (L/W) | N    | ≥ 40 / 60   | ISO 1421-1          |
| Tear Strength (L/W)       | N    | ≥ 20 / 20   | ISO 4674-1 Method B |

Ballyflex Flexing Resistance  
ISO 5402-1 @ 25°C



### Notes

- Products were tested after massage oil and oleic acid were applied to the surface and kept for 5 days.
- The ORIGINAL sample was not exposed to oil; it represents the initial condition.
- Oleic acid is the most common fatty acid found in human skin.
- Massage oils contain vegetable and natural oils.

(\*) Environmental stress crack resistance test has been performed according to ASTM D543 by an independent polymer technology testing laboratory in the UK.



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