

HIGH-PERFORMANCE SOLUTIONS



KIMPUR

Elastomers

KIMcase® Elastomers

Elastomers are rubbery materials that are composed of long-chain molecules or polymers and can return to their original shape after stretching.

KIMcase® Elastomers offer a wide range of applications with two-component cast elastomers, reaction injection molding (RIM) systems, and PU gel solutions. With outstanding properties such as high impact resistance, flexibility, and wear resistance, they deliver exceptional performance in both industrial and specialized applications.

1.1. TWO-COMPONENT MOLDING ELASTOMERS

Two-component polyurethane systems that are injected with both low-pressure and high-pressure machines in closed molds.

AREAS OF USAGE

- | Filled mats
- | Industrial roller coatings
- | Hydraulic seals
- | Elevator chock
- | Industrial filters
- | Floating cells
- | Textile roller
- | Handcart Wheel



ADVANTAGES

- Can be applied with filling.
- Ensures a smooth skin appearance.
- Acts like plastics and elastics.
- Can be designed with different density, hardness and demolding times.
- Vibration and shock absorption.
- Thanks to its thermoset structure, it shows high resistance to changing ambient conditions.
- Dimensional stability thanks to its macromolecular structure.

KIMcase® Two-Component Moulding Elastomers		Areas of Usage	Free Density (kg/m ³)	Molded Density (kg/m ³)	Hardness (ShD)
KIMcase CE 001	İzokim CE 002	Filled Mat System	975±75	1200±100	70±5
KIMcase CE 001-B	İzokim CE 002	Filled Mat System	975±75	1200±100	70±5
KIMcase CE 003	İzokim CE 005	Elevator Chock	285±5	530	80±5
İzokim CE 004	1.4 Bütandiol	Industrial Roller Coatings	975±25	975±25	84±2
KIMcase CE 005	İzokim CE 002	Handcart Wheel	60±5	400±500	60±5
KIMcase CE 004	İzokim CE 002	Handcart Wheel	75±5	300±400	75±5
KIMcase CE 028	İzokim CE 002	Car Crate Part Production	975±75	1200±100	90±5
KIMcase CE 21	İzokim CE 002	Car Crate Part Production (Low Hardness)	975±75	1200±100	80±5
KIMcase CE 22	İzokim CE 007	Mine Sieve	975±75	1200±100	70±5
KIMcase CE 24	İzokim CE 007	Mine Sieve (Low Hardness)	975±75	1200±100	60±5
KIMcase ME 009	İzokim ME 009	Mine Sieve (High Hardness)	975±75	1200±100	80±5

1.2. RIM (REACTION INJECTION MOLDING) SYSTEM

It is a two-component polyurethane RIM system for automotive and composite industries, injected with low pressure in closed molds.

AREAS OF USAGE

- Automotive outer panel/bumper parts
- Industrial device cases
- Reinforced composite production



ADVANTAGES

- Allows obtaining high-density and hard products.
- High shock resistance.

KIMcase® RIM System		Free Density (kg/m ³)	Molded Density (kg/m ³)	Hardness (ShA)
KIMcase RM 001	Izokim PP 001	455±20	1000±100	50±5



1.3. POLYURETHANE GEL

Kimpur has developed a polyurethane gel system with various hardness and elongation rates.

AREAS OF USAGE

- Viscoelastic (memory foam) pillow surfaces
- Shock absorbing pads
- Bicycle saddles
- Wrist pads for keyboards and mouse pads



ADVANTAGES

- Acts like plastics and elastics.
- High comfort thanks to its adjustable hardness.
- High durability.

KIMcase® RIM System		Colour Options	Free Density (kg/m ³)	Hardness (ShA)
KIMcase GL 001	Izokim GL 001	Natural and blue color	1000 ± 75	25 ± 2
KIMcase GL 008	Izokim GL 006	Colourless	1000 ± 50	29 ± 5

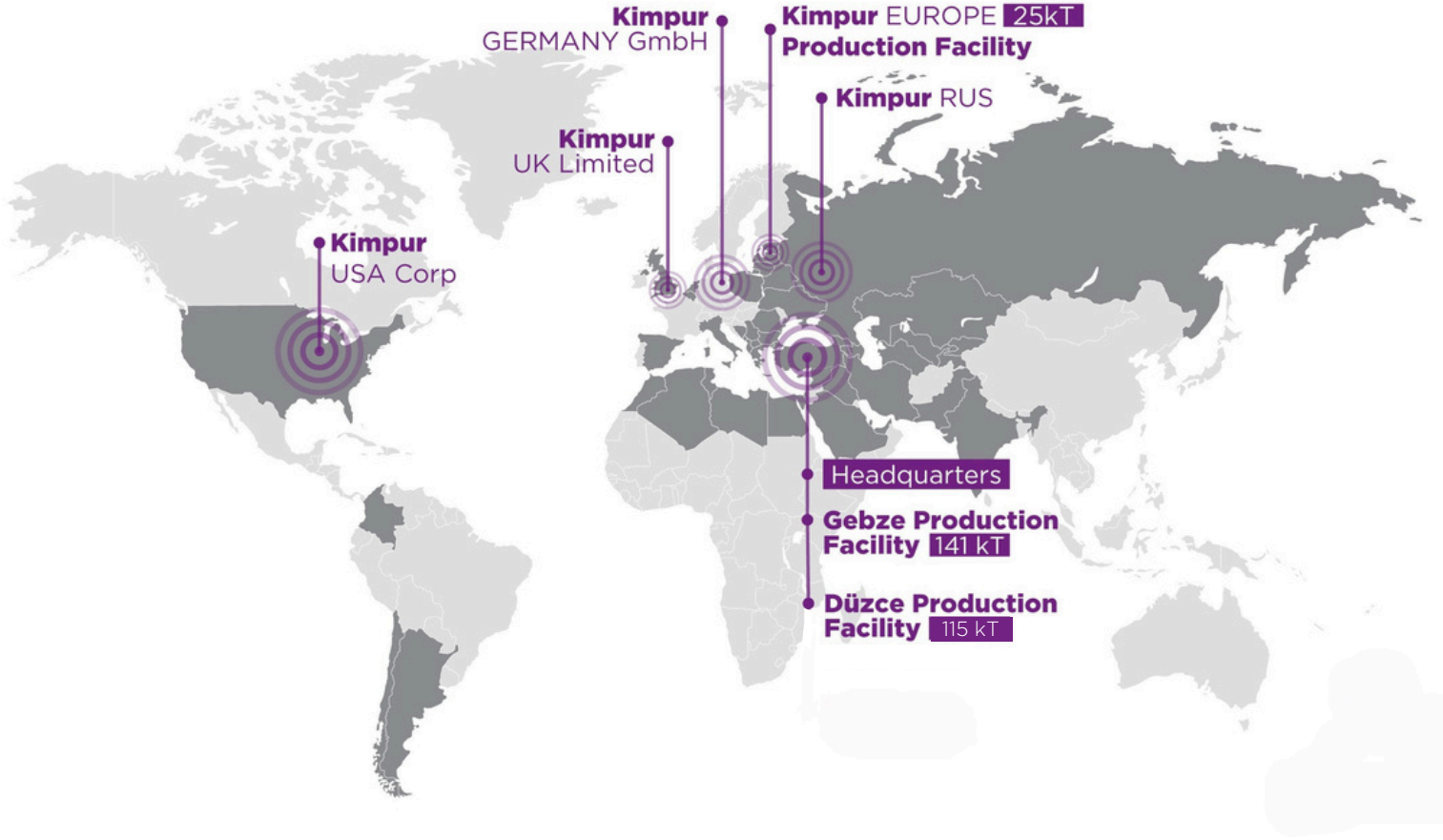
For the selection of the most suitable systems for your products and processes, more detailed information about the products and TDS, MSDS documents, please contact our Sales Office.



TÜRKİYE'S LARGEST POLYURETHANE SYSTEM HOUSE

Kimpur is the polyurethane system house with the largest capacity in the region, with a production capacity exceeding 200,000 tons. It leads the sector by exporting to more than 55 countries on 5 continents. Polyurethane systems produced; It is used in different sectors such as shoes, automotive, furniture, heating and cooling, insulation-construction, and defense industry.

GLOBAL ACTIVITIES



United Nations
Global Compact



Responsible Care®
OUR COMMITMENT TO SUSTAINABILITY

Kimpur Corporate Promotional Film
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KİMTEKS POLİÜRETAN SANAYİ VE TİCARET A.Ş.

HEAD OFFICE:

İnkılap Mah. Dr. Adnan Büyükdeniz Cad.
No: 13, B Blok, Kat: 2, İç Kapı No: 6
34768 Ümraniye İstanbul TÜRKİYE
Phone : +90 212 809 15 50
Fax : +90 212 809 15 49

GEBZE PRODUCTION FACILITY:

Gebze Plastikçiler Organize
San. Bölgesi 7. Cadde No:43
41400 Gebze Kocaeli TÜRKİYE
Phone : +90 262 751 44 71
Fax : +90 262 751 02 57

DÜZCE PRODUCTION FACILITY:

OSB, Yakabaşı Mevki, 1. Cadde No:12,
81850 Gümüşova Düzce TÜRKİYE

KİMPUR EUROPE PRODUCTION FACILITY:

Brīvības iela 103, Liepāja,
LV-3401, LATVIA



For more information
uncommonsolutions@kimpur.com



www.kimpur.com

LEGAL INFORMATION

At Kimpur, we strive to provide you with the highest quality polyurethane systems, backed by our expertise and dedication to innovation. The information provided in this brochure is a reflection of our expertise and knowledge. However, we highly recommend for users to conduct their own thorough assessments and tests to ensure the suitability and optimal performance of our products for their intended applications. While we strive to provide accurate and reliable information, Kimpur does not assume any liability or offer any warranty, whether expressed or implied, regarding the properties, performance, or fitness for a particular purpose of our products. Descriptions, specifications, and other details provided herein are subject to change without prior notice and should not be considered as binding contractual guarantees. As the recipient of our products, our customers assume full responsibility for compliance with all applicable laws, regulations, and intellectual property rights. We highly recommend obtaining comprehensive information on product toxicity, adhering to proper handling procedures, and ensuring compliance with safety and environmental standards. At Kimpur, we value our partnership with you and strive to provide exceptional support. However, it is important to emphasize that the application, use, and processing of our products are ultimately the sole responsibility of the user. Please note that the safety data provided in this brochure is for informational purposes only and does not constitute a legally binding Material Safety Data Sheet (MSDS). To obtain the relevant MSDS, kindly request it from your supplier or contact us directly at uncommonsolutions@kimpur.com. Our team is ready to assist you with any inquiries or specific safety information you may need.

Edition: 2024