PRODUCT CAPABILITY CATALOGUE

MATERIALS · CONSTRUCTION · FINISHES
DECORATION · FUNCTIONALITY · SUSTAINABILITY



AKIJ HOMEWARE

OEM & PRIVATE LABEL

Your product. Your brand. Our manufacturing capability.

Akij Homeware works with brands, retailers and businesses to develop market-ready products under their own brand names. From product design and specifications to materials, colors, packaging and production, we work closely with customers to develop solutions around their requirements.

CONCEPT → DESIGN → SPECIFICATION → MATERIAL → TOOLING → PACKAGING → PRODUCTION



Custom product development

New products developed around buyer concepts, drawings, reference samples and market requirements.

Private-label manufacturing

Products manufactured under the buyer's brand and approved specifications.

Material & color customization

Materials and colors aligned to approved product requirements.

Packaging customization

Buyer-specific packaging and retail presentation requirements.

High-volume OEM

Scalable manufacturing for growing local and international programs.

Long-term partnership

Our goal is not only to fulfill a single order, but to build relationships that grow over time.

INTRODUCTION

OUR TECHNICAL CAPABILITIES

At Akij Homeware, our strength lies in our ability to design, develop and deliver innovative plastic homeware products that are functional, reliable and sustainable.

Backed by advanced technology, skilled expertise and a commitment to quality, we offer end-to-end solutions tailored to meet diverse market needs.

MATERIALS

We work with high-quality materials including PP, LDPE, ABS, PS, TPE and more to ensure the right performance for every product.

FINISHES

A wide range of finishes, such as matte, gloss, textured, translucent and transparent to match your brand and design needs.

CONSTRUCTION

Expertise in multi-component, overmoulded and assembled products for enhanced functionality and durability.

DECORATION

Advanced decoration capabilities including IML/IMD, printing, labels, embossing and engraving for aesthetic appeal and branding.

SUSTAINABILITY

Use of virgin and recycled materials, recycled-content options, mono-material design and lightweighting for a better tomorrow.

FUNCTIONALITY

Product features include airtight, stackable, wheeled, handled, and food-contact-compliant solutions.

We combine material innovation, precision engineering and sustainable practices to create products that enhance everyday living.
Quality. Reliability. Sustainability.

These capabilities enable us to deliver innovative, high-quality and sustainable products that create value for our customers and consumers alike.
Your vision. Our expertise.
Better solutions together.

MATERIAL

LDPE

LOW DENSITY POLYETHYLENE

Flexible and impact-resistant material for durable utility applications.

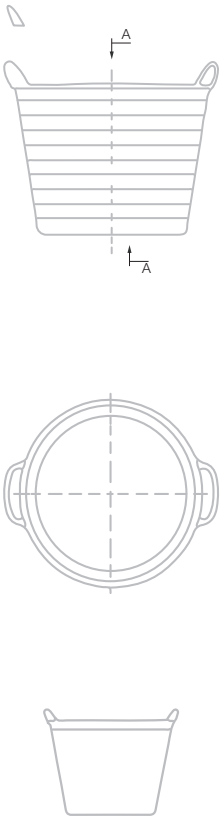
FLEXIBLE & TOUGH
High flexibility with excellent toughness

IMPACT RESISTANT
Resists impact without cracking

MOISTURE RESISTANT
Resistant to water and chemicals

LDPE
Low Density Polyethylene





PP

POLYPROPYLENE

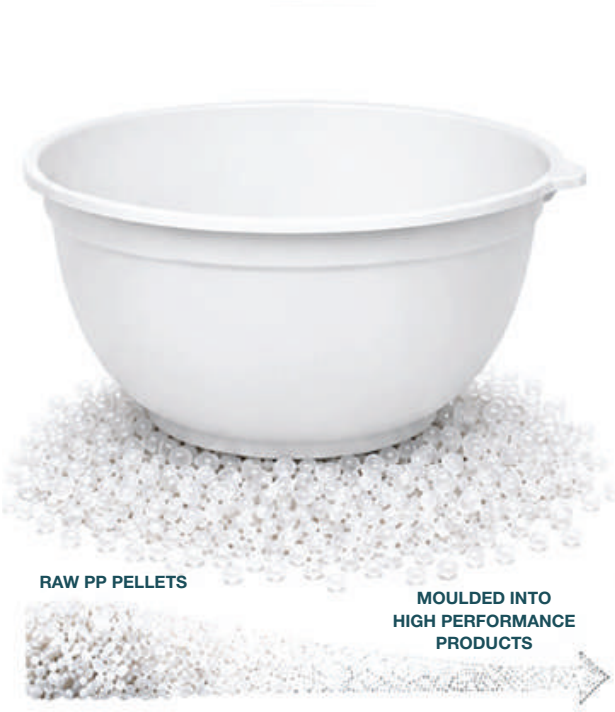
Rigid, lightweight material with excellent dimensional stability and food-contact suitability.

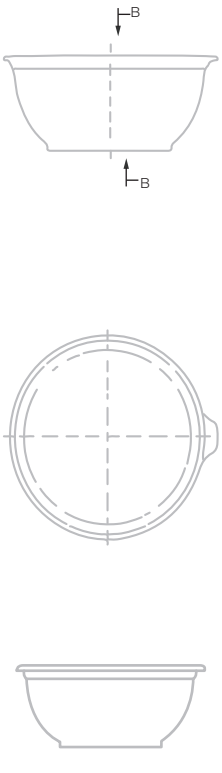
HEAT RESISTANT
Withstands high temperatures up to 95°C

RIGID & STABLE
Excellent dimensional stability

FOOD CONTACT SAFE
Safe for storing and serving food

PP
Polypropylene





MATERIAL CAPABILITIES

PP & PS

POLYPROPYLENE
& POLYSTYRENE

Rigid and clear material combination for visibility and reliable storage.

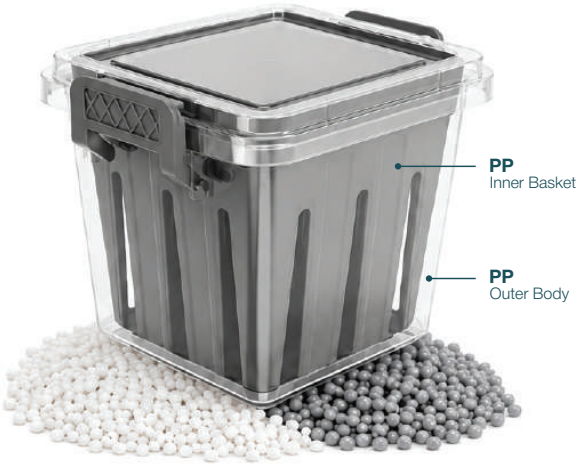
RIGID & DURABLE
Strong structure for everyday use

EXCELLENT VISIBILITY
Clear body for easy content identification

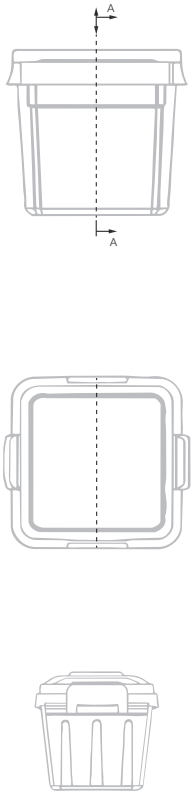
FOOD CONTACT SAFE
Safe for food storage and organization

PP
Polypropylene

PS
Polystyrene







PP & TPR

POLYPROPYLENE
& THERMOPLASTIC RUBBER

Durable and Soft-touch combination for comfortable handling and secure use.

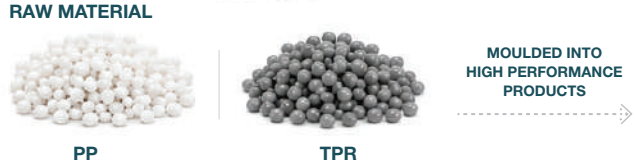
COMFORT GRIP
Soft TPR sleeve for better grip

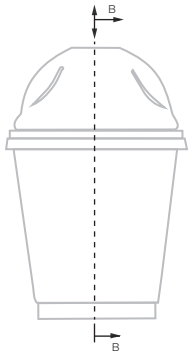
FOOD CONTACT SAFE
Safe for food and beverage use

PP
Polypropylene

TPR
Thermoplastic Rubber







FINISH CAPABILITIES

MATTE FINISH

Low-reflection surface finish delivering a soft, refined appearance with reduced visual glare.

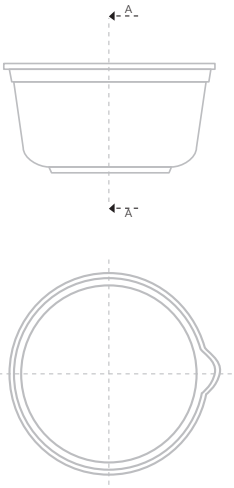
LOW REFLECTION
Reduced surface glare

SOFT VISUAL APPEARANCE
Refined non-shiny finish

CUSTOM FINISH LEVEL
Surface character adjustable to product requirement

ROUGHNESS RANGE
1.8 to 3.5 µm

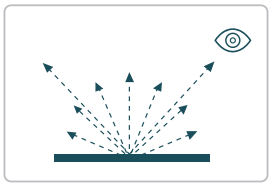




SURFACE DETAIL



LIGHT REFLECTION DIAGRAM



DEEP MATTE | MATTE | SATIN

GLOSSY FINISH

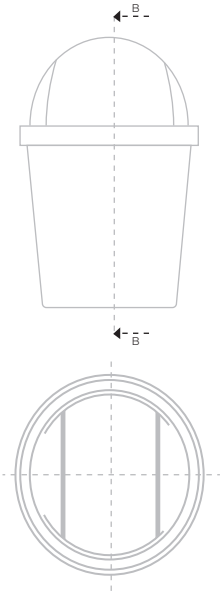
High-shine surface finish delivering a bright, reflective appearance with enhanced visual appeal.

HIGH REFLECTIVITY
Bright, polished appearance

SMOOTH SURFACE
High Gloss Level:
70–80 GU @ 60°

"Gloss level may vary depending on material, color, and part design Testing method: ASTM D2457 (60° geometry)."

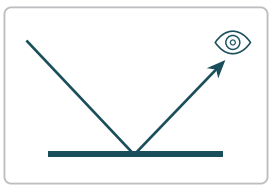




SURFACE DETAIL



LIGHT REFLECTION DIAGRAM



SATIN | GLOSSY | HIGH GLOSS

FINISH CAPABILITIES

TRANSLUCENT FINISH

Clear and see-through finish that allows visibility while maintaining product strength and durability.

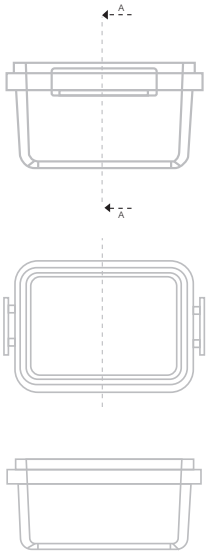
ENHANCED VISIBILITY
See-through clarity for easy content identification

STRONG & DURABLE
Maintains strength with excellent durability

FOOD CONTACT SAFE
Safe for food storage and organization

PP
Polypropylene

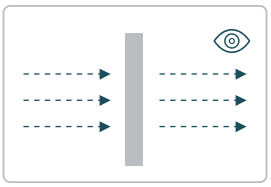




SURFACE DETAIL



LIGHT TRANSMISSION DIAGRAM



CLEAR | TRANSLUCENT | OPAQUE

TEXTURED FINISH

Distinct surface texture that enhances grip, hides scratches and adds a premium look and feel

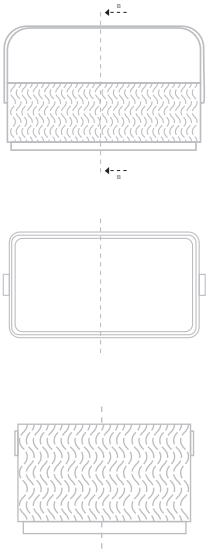
ENHANCED GRIP HANDLE
Textured surface for better handling

TEXTURE DEPTH
0.15 mm

SCRATCH RESISTANT
Adds aesthetic value with a refined look

PP
Polypropylene

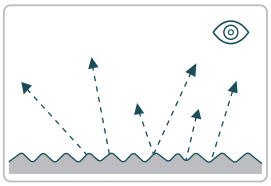




SURFACE DETAIL



TEXTURE DIAGRAM



SMOOTH | TEXTURED | HIGH TEXTURE

”Finish appearance may vary depending on color, material, and part design. Testing method: ASTM D2457 (60° Geometry).”

MATERIAL CAPABILITIES

SINGLE MOLD

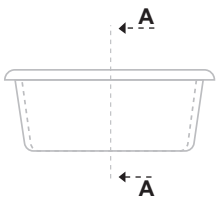
Manufactured in a single mold as one complete piece, without separate components or assembly.

SEAMLESS STRUCTURE
One-piece design for consistent strength and durability

REDUCED ASSEMBLY
No additional parts, minimizing assembly steps

COST EFFECTIVE
Improved production efficiency and lower cost









SECTION VIEW



MOLD FLOW DIAGRAM



CONSTRUCTION PROCESS



OVERMOULDING

Two materials combined in a single process to deliver enhanced functionality, comfort and durability.

ENHANCED GRIP
Soft-touch area for better handling

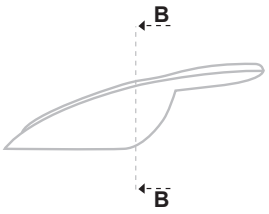
STRONG BOND
Secure adhesion between different materials

IMPROVED DURABILITY
Secure adhesion between different materials

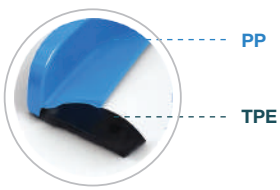
PP
Polypropylene

TPR
Thermoplastic Rubber

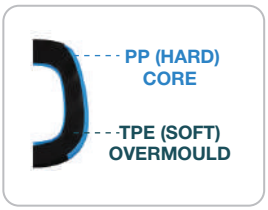


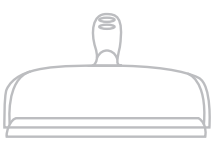


SECTION VIEW

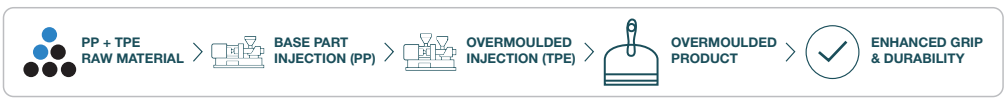


MATERIAL COMBINATION DIAGRAM





CONSTRUCTION PROCESS



MATERIAL CAPABILITIES

MULTI-COMPONENT

Multiple components combined to enhance functionality and performance.

INTEGRATED FUNCTION
EACH COMPONENT SERVES A SPECIFIC PURPOSE

HEAT RESISTANT
Up to 95°C

FOOD CONTACT SAFE
Safe materials for food and beverage use



CONSTRUCTION PROCESS

RAW MATERIAL (PP / PS / TPR) > INJECTION MOULDING > COMPONENT PRODUCTION > MULTI COMPONENT PRODUCT

ASSEMBLED PRODUCT

Multiple parts assembled to create a functional and durable product.

STURDY ASSEMBLY
Strong construction for long-lasting use

SMOOTH OPERATION
Consistent strength and durability

FOOD CONTACT SAFE
safe materials for food and beverage use



CONSTRUCTION PROCESS

RAW MATERIAL (PP / PS) > INJECTION MOULDING > COMPONENT PRODUCTION > MULTI COMPONENT PRODUCT

DECORATION CAPABILITIES

HEAT TRANSFER DECORATION (HTF)

Transfers high-quality graphics onto the product surface through heat and pressure.

HIGH-DURABILITY PRINT
Resistant to wear and washing

VIBRANT DETAIL
Sharp and consistent print quality

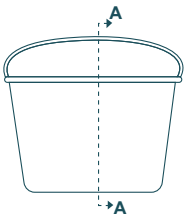
COST EFFECTIVE
Ideal for short and medium runs

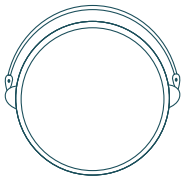




Transfer film

Decorated Product





HEAT-TRANSFER DECORATION PROCESS

RAW MATERIAL (PP / PS / TPR) > INJECTION MOULDING > COMPONENT PRODUCTION > MULTI COMPONENT PRODUCT

PRINT DECORATION

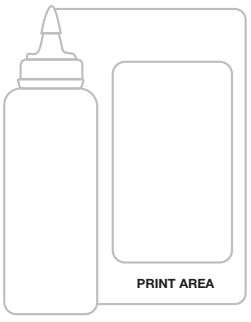
Applies graphics directly onto the product surface using ink.

CLEAR GRAPHICS
Sharp and accurate image reproduction

LONG LASTING PRINT
Resistant to fading and abrasion

FOOD SAFE
Suitable for food and beverage contact







PRINTING PROCESS

INK APPLICATION > DRYING / CURING > COMPONENT PRODUCTION

DECORATION CAPABILITIES

LABEL APPLICATION

High-quality label application for clear branding and product information.

BRAND VISIBILITY
High-resolution graphics enhance shelf appeal

DURABLE ADHESION
Strong label bond resists moisture and handling

INFORMATION CLARITY
Labels support product details and usage instructions



DECORATION PROCESS

PRINTED LABEL > LABEL APPLICATION > PRESS & BOND > DECORATED PRODUCT

LOGO ENGRAVING

Permanent logo engraving for a premium and long-lasting brand presence.

PERMANENT MARKING
Engraving won't wear off or fade

PREMIUM APPEARANCE
Adds a subtle, professional brand touch

HIGH DURABILITY
Resistant to chemicals, heat and daily use



LOGO-ENGRAVING PROCESS

PRINTED LABEL > LABEL APPLICATION > PRESS & BOND > DECORATED PRODUCT

SUSTAINABILITY CAPABILITIES

MONO-MATERIAL DESIGN

Designed with a single material structure for easier recycling and material recovery.

EASY TO RECYCLE
Single material construction simplifies recycling

MATERIAL EFFICIENCY
Reduces material mixing and improves resource efficiency

DURABLE PERFORMANCE
Maintains strength and functionality with mono-material design



Material: Polypropylene (PP)



MONO-MATERIAL STRUCTURE



SUSTAINABLE BENEFITS

SINGLE MATERIAL for easy sorting → **IMPROVED RECYCLABILITY** for circular economy → **REDUCES ENVIRONMENTAL IMPACT** through responsible design

RECYCLED CONTENT

Incorporates recycled resin to reduce reliance on virgin materials and support resource conservation.

REDUCED RESOURCE USE
Utilizes recycled materials up to 10%

LOWER ENVIRONMENTAL IMPACT
Helps reduce carbon footprint through recycled content

RELIABLE QUALITY
Engineered to meet performance and safety standards

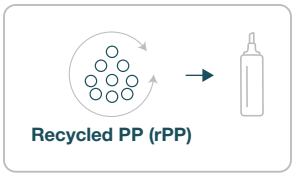


Material: Recycled Polypropylene (rPP)



RECYCLED CONTENT OPTION

RECYCLED CONTENT OPTION



Our sustainability initiatives are guided by responsible material choice, efficient design, and continuous improvement for a better future.

SUSTAINABLE PROCESS

POST-CONSUMER PLASTIC WASTE → **CLEANING & PROCESSING** → **RECYCLED PP GRANULES** → **SUSTAINABLE PRODUCT**

SUSTAINABILITY CAPABILITIES

VIRGIN MATERIAL

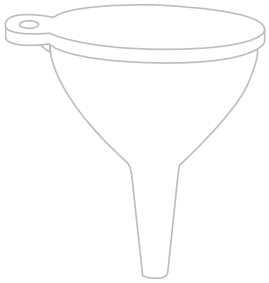
Manufactured using virgin resin for consistent performance and product reliability.

CONSISTENT QUALITY
Virgin resin ensures uniform properties and reliability

OPTIMAL PERFORMANCE
Delivers high performance for demanding applications

FOOD CONTACT SAFE
Suitable for food contact products and safe use





Material:
Virgin Polypropylene (PP)

VIRGIN MATERIAL STRUCTURE



SUSTAINABLE BENEFITS

RELIABLE & SAFE
Ensures product safety and compliance

LONG SERVICE LIFE
Supports durability and reduces replacement

RECYCLABLE
100% recyclable at end of life

LIGHTWEIGHT DESIGN

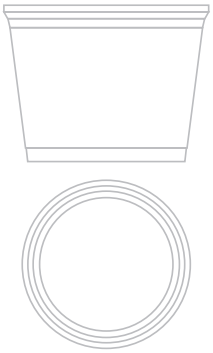
Optimized design reduces material usage and product weight while maintaining strength and durability.

REDUCED MATERIAL USE
Uses less material for improved resource efficiency

EASY TO HANDLE
Lighter products enhance user convenience

LOWER ENVIRONMENTAL IMPACT
Reduced material and weight decrease carbon footprint





LIGHTWEIGHT DESIGN OPTIMIZATION



SUSTAINABLE BENEFITS

RESOURCE EFFICIENCY
Less material consumption

REDUCED CARBON FOOTPRINT
Lower emissions from material and transport

SUSTAINABLE CHOICE
Supports responsible design and production

FUNCTIONALITY CAPABILITIES

AIRTIGHT

Designed to provide a secure seal that helps protect contents from air and leakage.

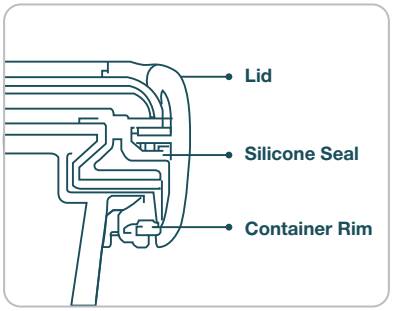
SECURE SEAL
Controlled lid-to-container fit for a tight seal.

LEAK RESISTANCE
Helps reduce liquid escape and spills.

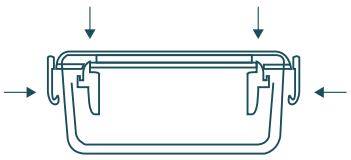
CONTENT PROTECTION
Supports freshness and safe storage.



AIRTIGHT SEAL STRUCTURE



SEALING MECHANISM



Even pressure on all sides ensures a tight and reliable seal.

HANDLED

Ergonomically designed handles make carrying and transporting easy and comfortable.

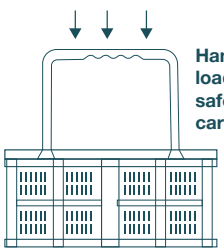
EASY TO CARRY
Ergonomic handle for a comfortable grip

STRONG SUPPORT
Handles designed to support load securely

CONVENIENT USE
Ideal for carrying, moving and organizing items.



HANDLE FUNCTION



Handles distribute load evenly for safe and stable carrying.



Ergonomic grip



Secure load support



Easy to transport

FUNCTIONALITY CAPABILITIES

WHEELED

Integrated wheels for smooth movement and easy transport.

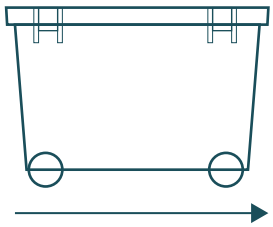
EASY MOBILITY
Wheels allow effortless movement on various surfaces.

STABLE SUPPORT
Strong base with wheels ensures balance and secure handling.

TIME SAVING
Makes transporting and repositioning quick and convenient.



WHEEL FUNCTION



Integrated wheels enable smooth movement and easy repositioning.

FOOD CONTACT

Made from food-grade materials that are safe, hygienic and suitable for food use.

FOOD SAFE MATERIAL
Made from food-grade material, safe for direct food contact.

HYGIENIC & ODORLESS
Smooth surface for easy cleaning and odor resistance.

SAFE & RELIABLE
BPA-free, non-toxic and compliant with food safety standards.

MICROWAVE SAFE
Up to 60˚C for 2 Min



FOOD CONTACT BENEFITS

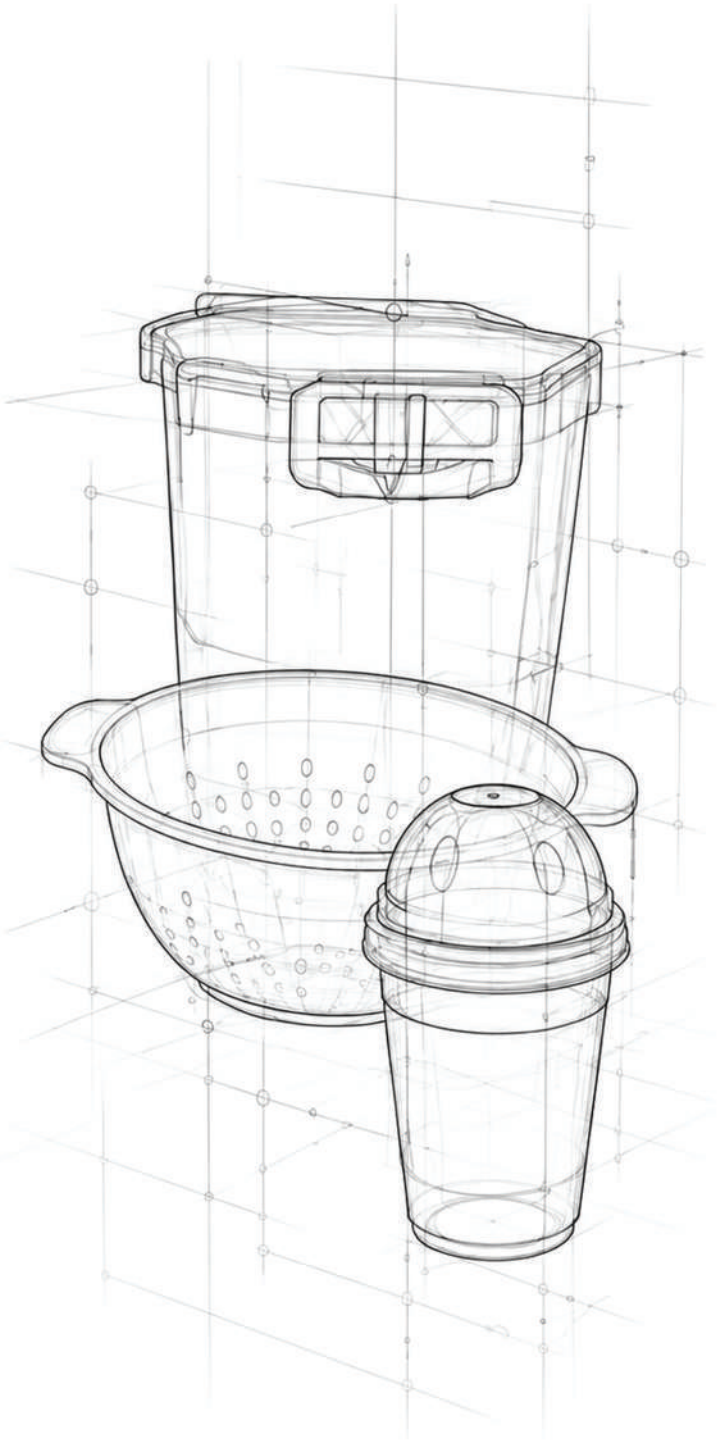
SAFE FOR STORING AND SERVING A WIDE RANGE OF FOOD AND BEVERAGES.	FOOD GRADE MATERIAL	EASY TO CLEAN	MEETS FOOD SAFETY STANDARDS

Our functional designs focus on real-life usability, delivering convenience, performance, and reliability in every detail.

ENGINEERED CAPABILITIES

ENDLESS POSSIBILITIES

At Akij Homeware, our capabilities go beyond products. We combine advanced materials, precision engineering and design flexibility to manufacture solutions that bring your ideas to life.



- **Advanced Materials**
- **Sustainable Options**
- **Precision Manufacturing**
- **Quality Assurance**
- **Customizable Solutions**
- **Global Partnership**

AKIJ HOMEWARE

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