

# PLASKOLITE

VERSEK™ ABS EXTRUDED SHEET

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# PLASKOLITE

PERFORMANCE PLASTIC  
MANUFACTURING:  
SHEET, POLYMER, PROFILES

1950  
FOUNDED

## OUR MISSION

TO PRODUCE INNOVATIVE ENGINEERING THERMOPLASTICS THE RIGHT WAY; THROUGH LONG-LASTING CUSTOMER RELATIONSHIPS, HANDS-ON CUSTOMER SERVICE AND RESPONSIBLE MANUFACTURING

## MANUFACTURING LOCATIONS



GLOBAL  
HEADQUARTERS  
COLUMBUS, OH

PRIVATELY HELD  
120+ PRODUCTION LINES

20000+  
EMPLOYEES

## OUR PILLARS OF SUSTAINABILITY

### CONTRIBUTING TO MAKE THE WORLD A BETTER PLACE

From our founding, we strive to treat our employees, our customers, our community and the world with kindness, dignity and respect. This drives our continuing effort to perform sustainable manufacturing and create products in an environmentally-friendly manner, for generations to come.

This on-going commitment is expressed in our Three Pillars of Sustainability:

### WHAT WE MAKE

Versatile, high-quality, durable thermoplastic sheets instead of single-use plastics.



### HOW IT'S MADE

We create products to reflect our sustainable philosophy of improving our environment.



### HOW IT'S USED

Our thermoplastics play an important role in advancing the well-beings of others, energy conservation, and quality of life.



# ABS OVERVIEW

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## A VERSATILE SOLUTION

ABS sheet is a versatile and widely used thermoplastic material that offers a unique combination of properties, making it an ideal choice for a variety of applications. It's strong, yet lightweight; impact-resistant, yet easy to machine; and is ideal for painting, solvent bonding and thermoforming.

## WHAT IS ABS SHEET

ABS stands for acrylonitrile butadiene styrene. It's a terpolymer, meaning it's made up of three monomers: **acrylonitrile**, **butadiene**, and **styrene**.

Each monomer gives ABS a different property:

- » Acrylonitrile gives ABS strength and chemical resistance
- » Butadiene gives ABS toughness and impact resistance
- » Styrene gives ABS a smooth surface and makes it easy to process

PLASKOLITE offers a variety of monolayer and co-extruded options to fit an array of applications. If you're looking for a versatile, durable, and affordable plastic sheet material, ABS sheet can meet your needs.





# MONOLAYER

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Monolayer ABS is a high-impact, durable plastic that withstands wear and tear without cracking. Its single layer uniform composition makes it reliable and predictable in its properties, while its ease of fabrication allows you to bend, shape, and cut it into countless forms. The blend of strength, flexibility, and workability offered by ABS is ideal for a wide range of applications.

PLASKOLITE offers prime (virgin) and utility (recycled) ABS options in smooth, haircell, and other finish textures.

## FEATURES AND BENEFITS

There are many benefits to using monolayer ABS sheet, including:

- » **Versatility** - Can be used for a wide variety of applications, from automotive parts to luggage to toys
- » **Durability** - Strong and impact-resistant, making it ideal for applications that require withstanding some wear and tear
- » **Ease of Fabrication** - Easy to machine, cut, and thermoform, making it an ideal choice for custom applications
- » **Aesthetics** - Has a smooth surface that takes paint, printing, and lamination well, making it ideal for applications where aesthetics are important
- » **Affordability** - Relatively affordable compared to other thermoplastics, making it a good choice for cost-conscious applications
- » **Recyclable** - Can be recycled into new products, making it an environmentally friendly choice
- » Ask your sales representative about PLASKOLITE's recycling programs

## COMMON APPLICATIONS

ABS sheet is used in a wide variety of industries, including:

- » **Automotive** - Interior parts, such as door panels and trim
- » **Transportation** - Train and bus interiors
- » **Appliance** - Appliance parts, such as refrigerator and ice bin liners and beverage dispensing components
- » **Recreational** - Luggage, toys, and sports equipment
- » **Medical** - Devices and equipment, such as medical carts
- » **Industrial** - Pallets, dunnage, and more



# CO-EXTRUDED

PLASKOLITE's co-extruded multilayer sheets were designed specifically for thermoforming applications and are easy to fabricate. Our materials are made with a cap layer of high quality resins over an ABS base layer. The base may contain recycled content. It comes in smooth, haircell and matte finishes.

PLASKOLITE offers a standard acrylic capped prime ABS, as well as a variety of specialty products. Ask your sales representative about matte, ASA (acrylonitrile styrene acrylate), patterned films, and custom compounded acrylics.

## FEATURES AND BENEFITS

There are many benefits to using co-extruded ABS sheet, including:

- » **Weatherability** - Resistant to the sun's harmful UV rays, making it an ideal choice for outdoor applications
- » **Aesthetics** - Acrylic offers high gloss with depth, dimension, and scratch resistance for long-lasting beauty
- » **Affordability** - Virgin capped utility sheet offers an economic base substrate with a high-quality smooth cap surface
- » **Processability** - Easy to handle and fabricate and can be formed, cut, or routed to fit a variety of needs
- » **Recyclable** - Can be recycled into new products, making it an environmentally friendly choice
- » Ask your sales representative about PLASKOLITE's recycling programs

## COMMON APPLICATIONS

Co-extruded ABS sheet is used in many industries including:

- » **Automotive** - Interior and exterior parts, such as dashboards and fender flares
- » **Heavy Equipment** - Lightweight stamped steel replacement parts, in interior or exterior pieces
- » **Construction** - Building materials, such as roofing panels and siding
- » **Marine** - Boat parts, such as hatches, swim platforms, and kayaks
- » **Recreational** - Interior, and exterior parts for campers, ATVs, golf carts, etc.
- » **Pool** - Outdoor equipment such as steps and pump covers



# CAPABILITIES

Our sheet manufacturing capabilities boast impressive versatility, offering a wide range of thermoplastics in various thicknesses and sizes.

Refer to our capabilities chart below to compare thicknesses, colors, and textures between various products.

## CAPABILITIES CHART

PROPERTY	UTILITY	PRIME CAPPED UTILITY	PRIME	ACRYLIC CAPPED PRIME
MINIMUM THICKNESS	0.060"	0.060"	0.060"	0.080"
MAXIMUM THICKNESS	0.500"	0.500"	0.500"	0.500"
MAXIMUM WIDTH	100"*	100"*	100"*	100"*
SINGLE CAP THICKNESS (% OF TOTAL THICKNESS)	N/A	15%	N/A	10%, 15%, 20%
2-SIDED CAP THICKNESSES TOP / BOTTOM	N/A	N/A	N/A	10%/5%, 15%/8%
COLORS	Black, White	Black, White, Gray, Custom**	Black, White, Gray, Custom**	Black, White, Gray, Custom**
TEXTURE	Haircell, Swirl	Smooth, Haircell	Smooth, Haircell, Swirl	Smooth, Haircell

\*Run to Size Available    \*\*Custom colors available upon request

*We offer black and white 48" x 96" stock haircell prime capped utility items in thicknesses of 0.60", 0.118", 0.177", and 0.236". Ask your rep about our availability in stock. FDA and NSF compliant products are available upon request. Ask your rep for details.*

# SELECTOR

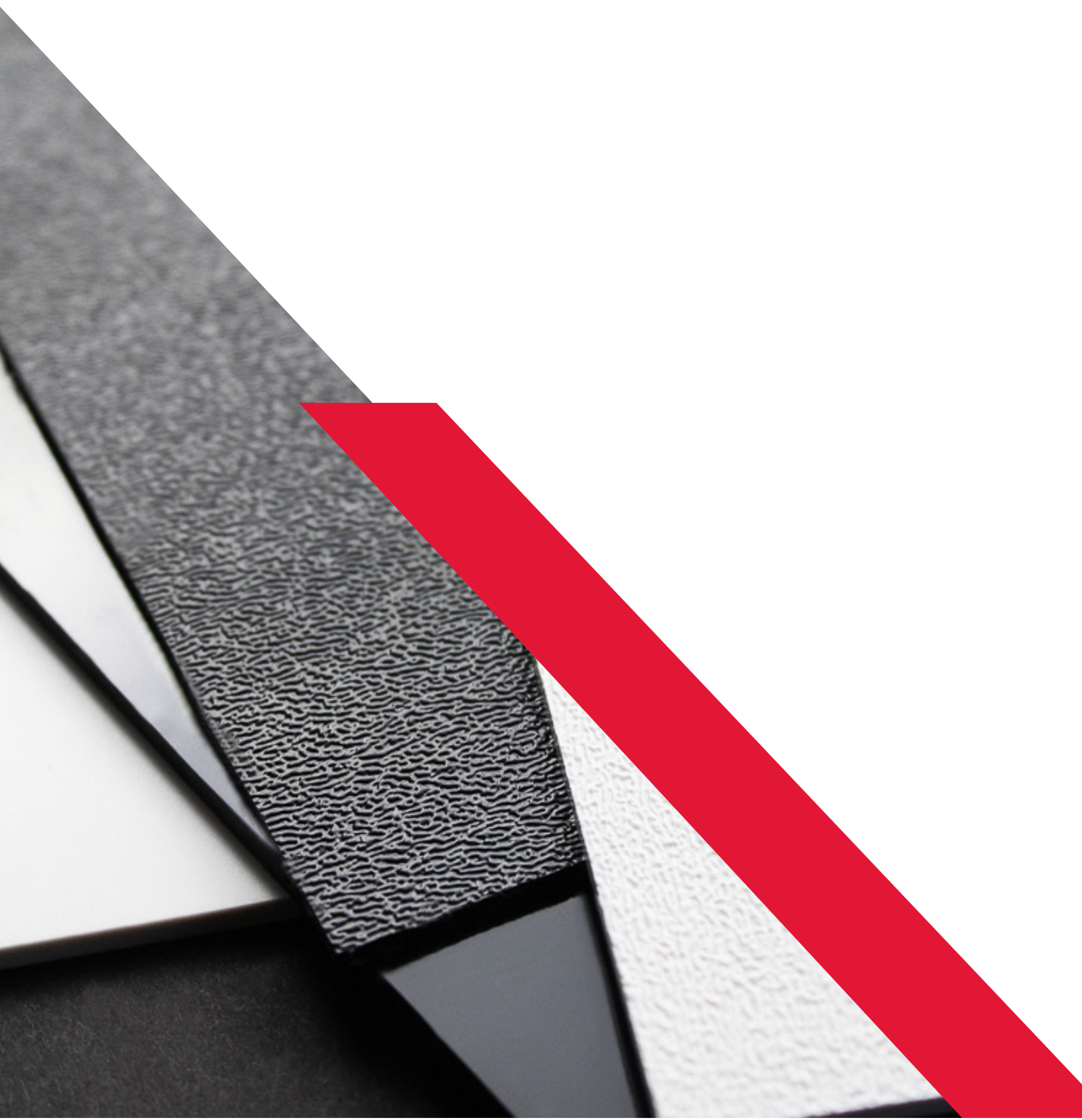
Choosing the right plastic for your application can be challenging. Our comprehensive product selection chart is provided below to help you choose which product best fits your needs. Simply consider your key requirements, from strength, flexibility, chemical compatibility, and desired finish.

## PRODUCT SELECTION CHART

Ratings: **LOW** ● **MEDIUM** ●● **HIGH** ●●●

PROPERTY	UTILITY	PRIME CAPPED UTILITY	PRIME	ACRYLIC CAPPED PRIME
SURFACE FINISH	●	●●	●●	●●●
FORMABILITY / FABRICATION	●●●	●●●	●●●	●●●
CHEMICAL RESISTANCE	●	●●	●●	●●●
SCRATCH RESISTANCE	●	●●	●●	●●●
IMPACT RESISTANCE	●	●●	●●●	●●
COLOR CONTROL	●	●●●	●●●	●●●
GLOSS RETENTION	●	●●	●●	●●●
WEATHERABILITY / UV RESISTANCE	●	●	●	●●●





These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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