

PERFORMANCE. SPECIALISTS. SOLUTIONS.

At PMC, we are so much more than just TPO....We also produce ABS, decorative films, high-performance cap layers and all combinations in between. We believe in going beyond the products and doing more.

Performance - We produce highly engineered thermoformable sheet that will deliver the results you expect from your high-performance finished products. In addition to being ISO certified, we follow strict and extensive guidelines to ensure that our sheet products are of the highest quality and result in peak performance.

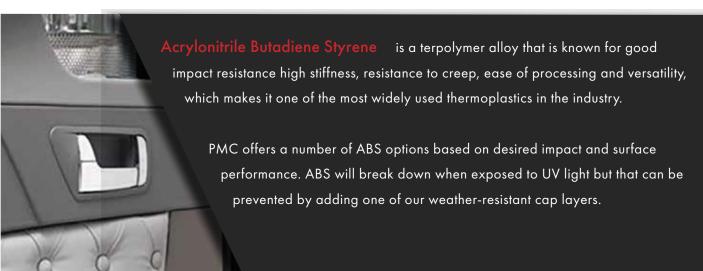
Specialists - We pride ourselves on our high-performance products and high-performance people. We believe that hiring the right employees and providing them with the right training so they can be the best in the industry is just as important as the products we sell. You can count on PMC to be your Go-To-Guys no matter what your needs are.

Solutions - Not only do we provide a wide range of products, we provide solutions, too. Our team of specialists will pinpoint the right product, work with you to tackle all your tough projects, and stay with you through any hurdles you may encounter along the way. We know the custom thermoforming industry is constantly changing, and so are we.

Through the growth of our manufacturing operations, and acquisition by world leading thermoplastics manufacturer SIMONA, we are proud to offer cutting-edge edge technologies and services to the markets we serve. We invite you to visit our facilities any time for a guided tour.







Co-extruded ABS products come in a variety of colors, textures, and gloss levels.

TYPES			
// UV Resistant // Low Impact		// Medium Impact	
HIGH PERFO	rmance c	APS	
// ASA (Weatherable High Gloss) // Acrylic (Weatherable High Gloss)		// Soft Touch // Vinyl	// Decorative Film // Low Gloss
POPULAR API	plications		
// Heavy Truck Cab		// Electrical Housings// Computer Components	// Cargo Haulers

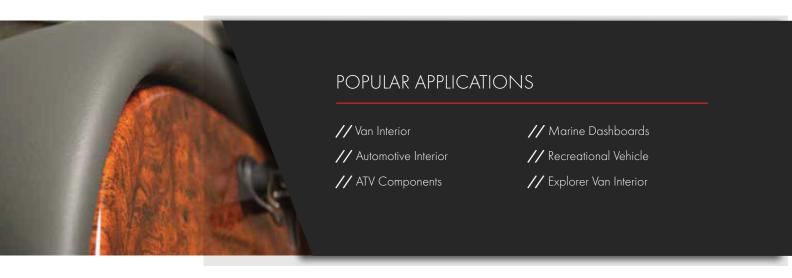


Vinyl-Laminated ABS

SIMONA PMC's Vinyl/ABS products offer a textured, leather-like appearance and a refined, sophisticated feel. While maintaining dependable performance for forming applications, it retains the durability and rigidity to withstand wear and tear. A vinyl foam composite is laminated over ABS to create a piece that mimics hand-wrapped parts and is impervious

to scratches and marring. By adding vinyl, the regrind cannot be reused and the depth of draw is slightly decreased.

Vinyl/ ABS is like a high-performance leather. It has a sophisticated look and feel while also providing the lasting durability required for a high-performance lifestyle.



STOCK COLORS



Tan



Prairie Tan



Med. Neutral



Graphite



Med. Gray



Charcoal



Dark Portland Gray



Black



Black Flex



PC/ABS

Alloying Polycarbonate blended with ABS results in the best of both worlds. You get the ease of processing ABS and the durability of polycarbonate. This combination also improves heat deflection temperature, stiffness, and and low-temperature impact resistance. It requires a cap or coating for weatherability and can be challenging to process,

but because it is easy to paint and has a high flex modulus, it is always in demand.

PC/ABS saves time and money when compared to using metal by reducing the number of tools needed to process a piece. It's also rigid and tough but still pliable enough to form features that are not possible with metal.



POPULAR APPLICATIONS

- // Structural Parts
- // Exterior Body Panels
- // Electronics

- // Prototypes
- // Heavy Truck Bumpers
- // Telecommunications
 Application

FR PC/ABS

This specific blend of polycarbonate and ABS with fire retardant additives meets stringent regulations for fire behavior, electrical safety, and resistance to chemicals, hydrolysis and heat. The sheet has good impact toughness at a wide temperature range, has excellent thermoforming properties, and is easy to machine.

Flame Characteristics

(based on final part thickness):

UL94V-2

(0.75mm: burning stops within 30 seconds on a vertical specimen)

UL94V-0

(1.5mm: burning stops within 10 seconds on a vertical specimen)

UL94V5VB

(2.0mm: burning stops within 60 seconds on a vertical specimen)

UL94V5VA

(3.0mm: burning stops within 60 seconds on a vertical specimen)

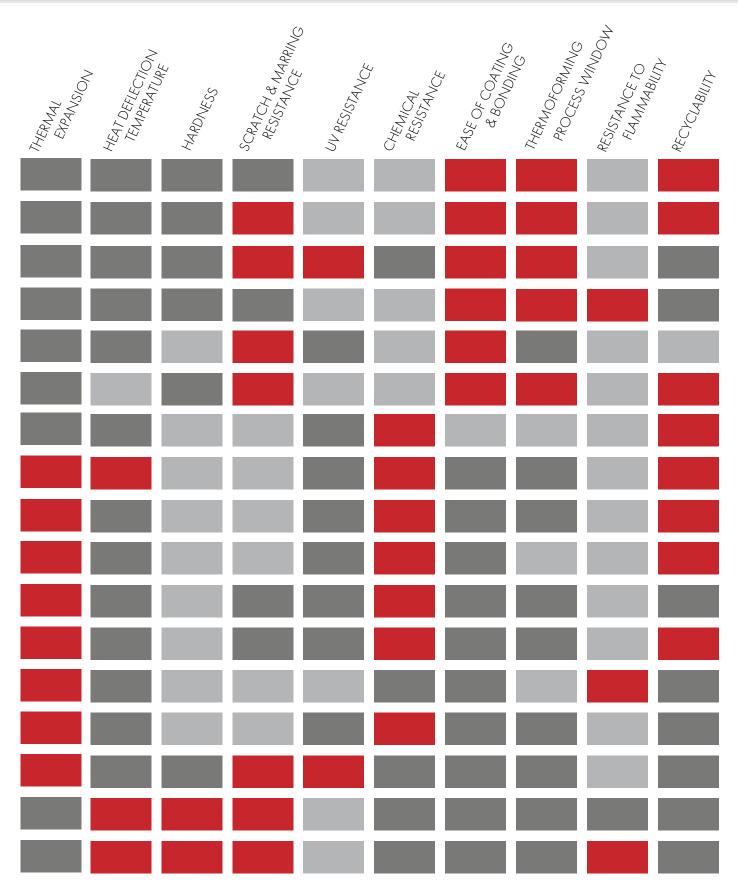
POPULAR APPLICATIONS

- // Mass-Transit
 // Appliance Parts
 - ansit // Electrical Enclosures
 - // Medical Diagnostic
 Equipment Covers



MATERIALS	DENSIN	STIFFNESS	TENSILE STRENGTH	MPACT OUGHNES
ABS				
Low Gloss ABS				
PMMA -capped ABS				
FR ABS				
Vinyl-Laminated ABS				
HIPS				
Copolymer PP Alloys				
TPO				
High Melt Strength				
Utility TPO				
High Gloss TPO				
Low Gloss TPO				
FR TPO				
Soft-touch TPO (Exultra™ 2000)				
Acrylic-capped TPO (StrataGem™ SMR)				
PC/ ABS				
FR PC/ ABS				

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Thermoplastic Polyolefin is a compounded alloy of polypropylene, elastomers and mineral fillers offering a unique balance of stiffness and thermal expansion. TPO has superior weatherability so it does not require a cap, and it ranks extremely high on impact and chemical resistance.

PMC offers a wide range of different types and combinations of TPO which make us the leading supplier in the industry. Not only does PMC produce TPO in custom colors and finishes, we also make specialized grades to satisfy a range of needs.

TPO is a great replacement for powder coated metal parts due to being lighter weight, more cost effective, and easier to form.

TYPES // High Melt Strength // Utility // Flame Retardant // Surface Durability **CAPS** // High or Low Gloss //Decorative Film // Soft-touch TPO // Specialty (ExultraTM 2000) // Acrylic-capped TPO (StrataGemTM SMR) POPULAR APPLICATIONS //UTV Door Panels // Exterior Panels //Snowmobile Hoods // RV Parts // ATV Roofs //Heavy Truck Exterior





High Impact Polystyrene is a versatile, economical and impact-resistant plastic that is easy to machine and fabricate. HIPS is often specified for low-strength structural applications when impact resistance, machinability, and low cost are required. Even though it needs a cap layer for weathering and has low resistance to chemicals, it's easy to bond, paint, and print on, which are necessary for some applications. It also retains its properties after being recycled and that saves money.

Despite the name it has low impact resistance when compared to other thermoformable materials, however, it has a higher impact rating within its family of polystyrenes due to the fact that it has been rubber modified.

POPULAR APPLICATIONS

// Horticulture Trays

// Garage Door Insert Panel

// Containers for Hot/Cold Beverages

//Toys

//Point-of-Purchase Displays



COPOLYMER PP ALLOY



POPULAR APPLICATIONS

// Race Car Body Panels

// Bumper Facias

// Marine Components

// Instrument Panels

// Door Trim

EXTRAS

Textures & Finishes

PMC offers five different textures and finishes. By applying a texture or sheen to a product you can add richness, depth, and shine to a part's appearance, making the part more marketable, and therefore giving it a higher value. Texture can also deliver visual enhancements on difficult-to-form parts. From the glass-like finish on the High Gloss to the intricate landscape of the Seville, we can provide you a look that is guaranteed to get noticed



Smooth High Gloss



Saddle



Calf



Seville



Haircell



PMC Material Weight Factors

Material	Weight (lbs/in ³)		
Copolymer PP Alloys	0.034		
ABS	0.039		
HIPS	0.039		
TPO	0.0405		
Acrylic-capped ABS	0.041		
PC/ABS	0.0415-0.045		
FR PC/ABS	0.044		
FR ABS	0.046		
Vinyl-Laminated/ABS	N/A		

PMC Material Specifications

Thickness	0.020" - 0.400"	
Width	24" - 112"	
Layers	Mono 2 Layer (co-extrusion) 3 Layer (co-extrusion)	
Lamination	In-line Off-line	



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