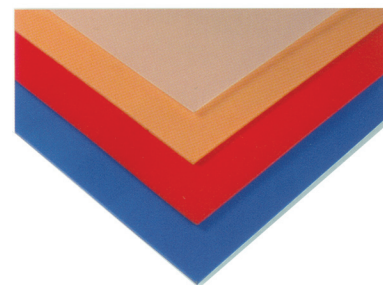


PLASTIC

POLYPROPYLENE

Polypropylene is a thermoplastic material used to fabricate braces and other supportive devices. The ability of polypropylene to yield pressure and torque, yet consistently return to its original form without fatiguing, has eliminated distortion previously encountered in many orthoses. This material is heated at 240°C (400°F). It is vacuum formable and self-adhesive when hot. In its plastic state, polypropylene can be cut with a saw, sanded and riveted. Stress relieved.



Sheet size: 24" x 48"

SHEET SIZE: 24" x 48"		
Ref	Thickness	Color
AC-P20020603	1/8"	Black
AC-P20020604	5/32"	Black
AC-P20020605	3/16"	Black
AC-P20020606	1/4"	Black
AC-P20020302	1/16"	Natural
AC-P20020303	1/8"	Natural
AC-P20021602	1/16"	White
AC-P200216025	3/32"	White
AC-P20021603	1/8"	White
AC-P20020203	1/8"	Flesh
AC-P20020204	5/32"	Flesh
AC-P20020205	3/16"	Flesh
AC-P20020903	1/8"	Royal Blue
AC-P20020805	3/16"	Royal Blue

SHEET SIZE: 32" x 48"		
Ref	Thickness	Color
AC-P20030303	1/8"	Natural
AC-P20030304	5/32"	Natural
AC-P20030305	3/16"	Natural

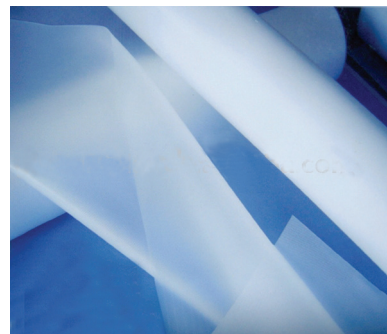
SHEET SIZE: 48" x 48"		
Ref	Thickness	Color
AC-P20100303	1/8"	Natural
AC-P20100304	5/32"	Natural
AC-P20100305	3/16"	Natural

PLASTIC

COPOLYMER

Non-Stress Relieved

Copolymer is a translucent white polypropylene with 5-10% polyethylene added. It can be heated at 155°C-160°C (310°F-325°F). It is self-adhesive when hot and is vacuum formable. Co-polymer is not as brittle as polypropylene. Blanching develops at areas of high stress. It has low notch sensitivity and the edges are easily polished. It is used for nearly all orthotic applications: spinal, lower and upper extremities. There are also some prosthetic applications. It has excellent orientation.



SHEET SIZE: 24" x 48"		
Ref	Thickness	Color
AC-P40020303	1/8"	Natural
AC-P40020304	5/32"	Natural
AC-P40020305	3/16"	Natural
AC-P40020306	1/4"	Natural
AC-P40020503	1/8"	Blue
AC-P40020505	3/16"	Blue
AC-P40020603	1/8"	Black
AC-P40020605	3/16"	Black
AC-P40020206	3/16"	Flesh
AC-P40021805	3/16"	Green
AC-P40021905	3/16"	Light Pink

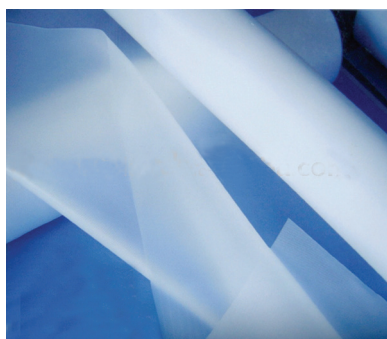
SHEET SIZE: 32" x 48"		
Ref	Thickness	Color
AC-P40030303	1/8"	Natural

HOMOPOLYMER POLYPROPYLENE

Manufactured from polymers of propylene. It is a more rigid sheet than Copolymer Polypropylene. Recommended molding temperature is 180°C-200°C (350-390°F) for thinner gauge materials, 220°C-235°C (425°-450°F) for thicker sheets.

Applications:

Definitive prosthetic frame sockets, AFOs, KAFOs, DAFOs, RGOs



SHEET SIZE: 24" x 48"		
Ref	Thickness	Color
AC-P220203025	3/32"	Natural
AC-P22020304	5/32"	Natural
AC-P22020305	3/16"	Natural
AC-P22020306	1/4"	Natural

PLASTIC

POLYETHYLENE

Low Density, Non-stress Relieved

Polyethylene is a tough waxy material that can be either rigid or flexible. The flexible form retains its flexibility far below -20°C (-4°F) yet is capable of withstanding contact with boiling water. It is odourless and tasteless and well tolerated by skin tissue. Polyethylene, like most thermoplastics, can be heat sealed. Some of the orthotic applications of Polyethylene are for collars, brace cuffs, and hip abduction splints.

Approximate heat to be used: 175°C to 180°C (350°F to 400°F).

SHEET SIZE: 24" x 48", COLOR: NATURAL	
Ref	Thickness
AC-P10020302	1/16"
AC-P100203025	3/32"
AC-P10020303	1/8"
AC-P10020304	5/32"
AC-P10020305	3/16"
AC-P10020306	1/4"

SHEET SIZE: 32" x 48", COLOR: NATURAL	
Ref	Thickness
AC-P10030303	1/8"
AC-P10030305	3/16"

SHEET SIZE: 48" x 96", COLOR: NATURAL	
Ref	Thickness
AC-P10110303	1/8"
AC-P10110305	3/16"

SHEET SIZE: 48" x 48", COLOR: NATURAL	
Ref	Thickness
AC-P10100302	1/16"
AC-P10100303	1/8"

MODIFIED POLYETHYLENE (350°F to 375°F)

SHEET SIZE: 24" x 48", NATURAL	
Ref	Thickness
AC-P15020310	3/8"
AC-P15020313	1/2"

SHEET SIZE: 32" x 48", COLOR: NATURAL	
Ref	Thickness
AC-P15030303	1/8"
AC-P15030304	5/32"

ROLL SIZE: 10" x 158", NATURAL	
Ref	Thickness
EK-510105	0.5 MM
EK-510106	0.6 MM
EK-510110	1 MM

PLASTIC

EXTRUDED LOW DENSITY POLYETHYLENE NORTHENE

Low density polyethylene (LDPE) is a strong, lightweight, flexible thermoplastic with excellent impact resistance. Northene will only shrink up to 6% if the correct molding temperatures are adhered to 130°C-150°C (265° F-302°F).

Sheet Size	Thickness		
	1/8"	1/4"	3/8"
16" x 16"	-	END904263	END904264
18" x 18"	-	END904260	END904261
32" x 48"	END904266	END904267	END904268

FLEXIBLE POLYETHYLENE

Modified Low Density Polyethylene.
For making molds using various foam and plastic techniques.

ROLL SIZE: 10" x 158", COLOR: NATURAL

Ref	Thickness
EK-510105	0.5 MM
EK-510106	0.6 MM
EK-510110	1 MM

ORTHOLEN®

Ortholen® is a highly molecular, thermoformable low-pressure polyethylene sheet material (PE 1000). It is used for orthoses as core material for insoles or for bearing and guide bars.

Specifications:

Mold temperature: 180°C (356°F)
Shrinkage not measurable

Benefits:

- No shrinkage as it is not extruded
- Thermoplastically moldable
- No self-welding
- High abrasion resistance
- Self-lubricating (slide bearings)
- Extremely tear resistant
- Chemical and weather resistant
- X-ray permeable
- Sterilisable
- No moisture absorption (0,01%)
- Physiologically safe
- Workable in cold state

4693 PolyAdhesive recommended.



SHEET SIZE: 39" x 39" (100 CM x 100 CM)

Ref	Color	Thickness
AC-P36010703	Black	3 MM
AC-P36010503	Blue	3 MM
AC-P36010201	Dark Flesh	1 MM
AC-P36010202	Dark Flesh	2 MM
AC-P36010203	Dark Flesh	3 MM
AC-P36010204	Dark Flesh	4 MM
AC-P36010205(*)	Dark Flesh	5 MM

(*) Non-stock item. Minimum order quantity required. Please call for more information

PLASTIC

SUBORTHOLEN®

Subortholen® is a highly molecular, thermoformable low-pressure polyethylene sheet material (PE 500).

It is used for orthoses, e.g. as core material for insoles, for bearing and guide bars, and also for corsets.

Specifications:

Mold temperature 160°C (320°F)

Shrinkage not measurable

Benefits:

- No shrinkage as it is not extruded
- Thermoformable
- Self-welding
- High abrasion resistance and rigidity
- Chemical and weather resistant
- X-ray permeable.
- Sterilisable
- Physiologically safe

This material is suitable for colouring with our transfer papers and fabrics.



SHEET SIZE: 39" x 39" (100 CM x 100 CM)		
Ref	Color	Thickness
AC-P34010301	Natural	1 MM
AC-P34010302	Natural	2 MM
AC-P34010303	Natural	3 MM
AC-P34010304	Natural	4 MM
AC-P34010305	Natural	5 MM
AC-P34010602	Black	2 MM
AC-P34010603	Black	3 MM
AC-P34010604	Black	4 MM
AC-P34010605	Black	5 MM
AC-P34010502	Blue	2 MM
AC-P34010503	Blue	3 MM
AC-P34010504	Blue	4 MM
AC-P34010505	Blue	5 MM

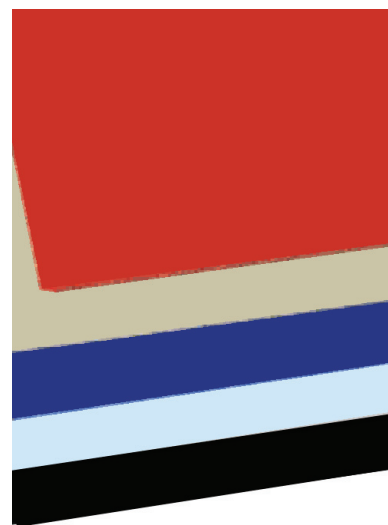
SHEET SIZE: 39" x 39" (100 CM x 100 CM)		
Ref	Color	Thickness
AC-P34010201	Flesh	1 MM
AC-P34010202	Flesh	2 MM
AC-P34010203	Flesh	3 MM
AC-P34010204	Flesh	4 MM
AC-P34010205	Flesh	5 MM
AC-P34010206	Flesh	6 MM
AC-P34011102	Red	2 MM
AC-P34011103	Red	3 MM
AC-P34011104	Red	4 MM
AC-P34011105	Red	5 MM
AC-P34012002(*)	Multi-Color	2 MM
AC-P34012003(*)	Multi-Color	3 MM
AC-P34012004	Multi-Color	4 MM

(*) Non-stock item. Minimum order quantity required. Please call for more information

PLASTIC

RCH 500

Same characteristics as Subortholen. Low pressure Polyethylene of high strength, suitable for deep-drawing, welding and embossing work. Non-shrinking when warm.



SHEET SIZE: 96 CM x 96 CM (38" x 38")

Ref	Color	Thickness
AC-P33130101	Flesh	1 MM
AC-P33130102	Flesh	2 MM
AC-P33130103	Flesh	3 MM
AC-P33130104	Flesh	4 MM
AC-P33130105	Flesh	5 MM
AC-P33130301	Natural	1 MM
AC-P33130302	Natural	2 MM
AC-P33130303	Natural	3 MM
AC-P33130304	Natural	4 MM
AC-P33130305	Natural	5 MM
AC-P33130502	Blue	2 MM
AC-P33130503	Blue	3 MM
AC-P33130504	Blue	4 MM
AC-P33130505	Blue	5 MM
AC-P33130602	Black	2 MM
AC-P33130603	Black	3 MM
AC-P33130604	Black	4 MM
AC-P33131102	Red	2 MM
AC-P33131103	Red	3 MM
AC-P33131104	Red	4 MM
AC-P33131105	Red	5 MM

SHEET SIZE: 100 CM x 200 CM (39" x 78")

Ref	Color	Thickness
AC-P33120102(*)	Flesh	2 MM
AC-P33120103(*)	Flesh	3 MM
AC-P33120104(*)	Flesh	4 MM

RCH 1000

Same characteristics as Ortholen®. Used for orthoses as core material for insoles or for bearing and guide bars.

Mold temperature: 180°C (356°F),

SHEET SIZE: 100 CM x 100 CM (39" x 39")

Ref	Color	Thickness
AC-P35010201	Flesh	1 MM
AC-P35010202	Flesh	2 MM
AC-P35010203	Flesh	3 MM
AC-P35010204	Flesh	4 MM
AC-P35010205	Flesh	5 MM

(*) Non-stock item. Minimum order quantity required. Please call for more information

PLASTIC

SPOLENE

Spolene is a proprietary, boradiene, modified high density polyethylene with excellent forming, appearance and impact characteristics.

Available in a wide range of colors.

Particularly suited to sports medicine or pediatric applications where durability and color appeal are desirable.

Available in other thicknesses not kept in stock. Please call to order.



THICKNESS: 3 MM, SHEET SIZE: 24" x 48"	
Ref	Color
AC-P38020603	Black
AC-P38021803	Green
AC-P38020303	Natural
AC-P38020903	Navy Blue
AC-P380216035	White
AC-P38020803	Royal Blue
AC-P38021103	Scarlet Red

THICKNESS: 3 MM, SHEET SIZE: 48" x 96"	
Ref	Color
AC-P38111603	White
AC-P38110903	Navy Blue
AC-P38110603	Black

POLYNYLON

Characteristics and applications similar to Spolene above

SHEET SIZE: 24" x 48"		
Ref	Color	Thickness
AC-P21020203	Flesh	3 MM
AC-P21020204	Flesh	4 MM
AC-P21020205	Flesh	5 MM

PLASTIC

NORTHVANE®

A combination of low density polyethylene and ethyl vinyl acetate.
Used in both prosthetics and orthotics.
Recommended molding temperature is 130-150°C (265-305°F).

Sheet Size	Thickness				
	1/8"	1/4"	3/8"	1/2"	5/8"
12" x 12"	-	END904370	END904371	END904372	-
16" x 16"	-	END904373	END904374	END904375	END904376
18" x 18"	-	END904365	END904381	END904377	END904382
24" x 48"	END904383	-	-	-	-
32" x 48"	-	END904363	END904367	END904368	-
39" x 39"	-	-	-	END904380	-

NORTHVANE SILVERSHIELD™

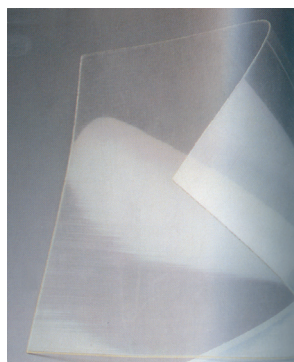
- An antimicrobial grade of Northvane
- Inhibits development of bacteria
- Laboratory tested against staphylococcus aureus and E. Coli
- Helps reduce production of stale odours
- Medically and environmentally safe, non toxic and non-irritating
- Physical and molding characteristics are unaffected by antimicrobial agent.

Sheet Size	Thickness			
	1/4"	3/8"	1/2"	5/8"
16" x 16"	NSSSQ406N6	NSSSQ406N9	NSSSQ406N12	NSSSQ406N16
18" x 18"	-	NSSSQ508N9	NSSSQ508N12	-
32" x 48"	NSSN6	NSSN9	NSSN12	-

PLASTIC

ERKOFLEX OR MASTERFLEX

A combination of low density polyethylene and ethyl vinyl acetate.
Used in both prosthetics and orthotics.
Recommended molding temperature is 130-150°C (265-305°F).



SHEET SIZE: 39" x 39"

Ref	Thickness	Color
EK-5801010	1 MM	Transparent
EK-5801015	1.5 MM	Transparent
EK-5801020	2 MM	Transparent
EK-5801030	3 MM	Transparent
EK-5801040	4 MM	Transparent
EK-5801050	5 MM	Transparent
EK-5660001	2 MM	Silver
EK-5660002	2 MM	Dark Blue
EK-5660003	2 MM	Bright Pink

SHEET SIZE: 16" x 16"

Ref	Thickness	Color
EK-580006	6 MM	Transparent
EK-580009	9 MM	Transparent
EK-580012	12 MM	Transparent
EK-580014	14 MM	Transparent

PLASTIC

PROFLEX

ProFlex is a soft socket material which provides the ultimate in comfort for prosthetic patients. ProFlex has excellent transparency because it is an ethylene based thermo-plastic. Vacuum forms easily; extremely durable for active patients. ProFlex should be heated at approximately 175°C (350°F) for six to ten minutes, depending on sheet thickness and type of oven. When using a vacuum forming frame, reversing the droop is highly recommended. Let the weight of the frame with a little downward pressure stretch the plastic. ProFlex is very tacky when hot so a nylon stockinette is not recommended. Pull ProFlex over a very smooth cast.

Sheet Size	THICKNESS		
	1/4"	3/8"	1/2"
12" x 12"	306-141	306-381	306-121
16" x 16"	306-146	306-386	306-126
24" x 48"	306-142	306-382	306-122
32" x 48"	306-143	306-383	306-123

PROFLEX WITH SILICONE

Flexible socket material which is very durable for active patients and provides the ultimate comfort for a wide range of prosthetic patients. Vacuum formable material with less than 2% shrinkage.

Forming temperature: 160°C (325°F).

Less likely to change color over time when compared to regular ProFlex.

Not recommended for use with nylon stockinette.

Sheet Size	THICKNESS		
	1/4"	3/8"	1/2"
12" x 12"	FL-169758	FL-169768	FL-169778
16" x 16"	FL-169757	FL-169767	FL-169777
24" x 24"	FL-169755	FL-169765	FL-169775
24" x 48"	FL-169754	FL-169764	FL-169774
32" x 48"	FL-169752	FL-169762	FL-169772
36" x 48"	FL-169751	FL-169761	FL-169771
48" x 96"	FL-169750	FL-169760	FL-169770

PLASTIC

SEA-FLEX®

Utilizing the latest generation of polyolefin materials.

Available in three very distinctive grades of flexibility:

- 100-very flexible, moulding temp. 120°C (248°F).
- 200-flexible (similar to Northvane), moulding temp. 150°C (302°F).
- 300-stiff (similar to low density polyethylene), moulding temp. 160°C (320°F)

Mold all for approximately 3 minutes per/mm thickness. The three grades allow as much choice as possible for the prosthetist making a flexible socket or the orthotist manufacturing a wrist splint or DAFO.



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SEAFLEX 100		
Thickness	16" X 16"	32" X 48"
3.2 MM	-	SFLEX100N3
4.8 MM	-	SFLEX100N4.8
6 MM	SFLEX100SQ406N6	SFLEX100N6
9 MM	SFLEX100SQ406N9	-
12 MM	SFLEX100SQ406N12	-
16 MM	-	-

SEAFLEX 200		
Thickness	16" X 16"	32" X 48"
3.2 MM	-	SFLEX200N3
4.8 MM	-	SFLEX200N4.8
6 MM	SFLEX200SQ406N6	SFLEX200N6
9 MM	SFLEX200SQ406N9	SFLEX200N9
12 MM	SFLEX200SQ406N12	SFLEX200N12
16 MM	SFLEX200SQ406N16	-

SEAFLEX 300		
Thickness	16" X 16"	32" X 48"
3.2 MM	-	SFLEX300N3
4.8 MM	-	SFLEX300N4.8
6 MM	SFLEX300SQ406N6	SFLEX300N6
9 MM	SFLEX300SQ406N9	-
12 MM	SFLEX300SQ406N12	-
16 MM	-	-

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PLASTIC

THERMO-VAC SHEETS (SURLYN)

Optically clear thermoplastic polymer. Can visually detect pressure areas and intimacy of fit. Rigidity falls between polyethylene and polypropylene. Has tensile strength of Lexan. When heated to 120°C (250°F) will display droop characteristics similar to polyethylene and polypropylene. To fabricate, heat to a temperature of 120°C to 150°C (250°F to 300°F). May be vacuum formed or drape molded without vacuum. Dry heating allows bonding of sheets.

Applications:

Similar to those of optical sheet plastics. The advantage of low working temperature, high stiffness values, fast cycle times and high impact resistance make Surlyn an excellent choice for prosthetic check sockets, facial burns masks and all shells and cuffs where visualizing underlying tissues is critical.

Sheet Size	THICKNESS			
	1/8"	3/16"	1/4"	3/8"
12" x 12"	-	-	3PS-4-12S	3PS-38-12
16" x 16"	3PS-1-16S	3PS-3-16S	3PS-4-16S	3PS-38-16S
24" x 24"	3PS-1-24S	3PS-3-24S	3PS-4-24S	-
24" x 48"	3PS-1-24	3PS-3-24	3PS-4-24	-
48" x 48"	3PS-1-48	3PS-3-48	3PS-4-48	-

UVEX

Uvex is used for making clear rigid check sockets. Can be heated for 5 min. at 200°C (400°F) (if left in too long, it will bubble). Working time is 3 minutes after removal from the oven. It can be easily vacuum formed. Welds to itself with a bead of Acetone in a few minutes. Use 2 speedy rivets for weight bearing. More rigid than other clear plastics. It can be finished after sanding with Acetone. Can be put in a block of wood for walking patients for dynamic alignment. It cannot be used as a permanent socket. It does not have to be dried before use.

Sheet size: 25" x 50"

- Ref.: UVEX18 1/8" thick
- Ref.: UVEX316 3/16" thick
- Ref.: UVEX14 1/4" thick

PLASTIC

VIVAK

Vivak is a low temperature forming product for clear rigid check sockets, pre-cut to size and available in four thicknesses.

Thermoform at 130-160 °C (265 - 325 °F).

Do not overheat. Molds should be warm.

Does not need to be dehydrated. Can be vacuum-formed over a wet cast.

Thermobonds to itself when hot.

Recommended solvent for bonding - Methylethylketone (MEK).

Sheet Size	THICKNESS				
	1/8"	3/16"	1/4"	3/8"	1/2"
12" x 12"	A-VIVAK18-12	A-VIVAK316-12	A-VIVAK14-12	FR-304-381	
16" x 16"	A-VIVAK18-16	FL-168112	A-VIVAK14-16	FL-168258	FR-304-126
18" x 18"	-	-	-	-	FL-168360
24" x 48"	A-VIVAK18-24	FL-168120	FL-168195	A-VIVAK38-24	-
32" x 32"	A-VIVAK18-32	FL-168125	-	A-VIVAK38-32	-
32" X 48"	-	-	-	FR-304-383	FR-304-123
36" x 48"	A-VIVAK18-36	A-VIVAK316-36	A-VIVAK14-36	A-VIVAK38-36	-

NORTHPLEX®

A clear, rigid material, offering a wide range of thickness, which can be used for applications in orthotics as well as prosthetics. The molding temperature is recommended at 160°C (320°F). Warning: The higher the molding temperature is above the recommendation the more brittle the material becomes.

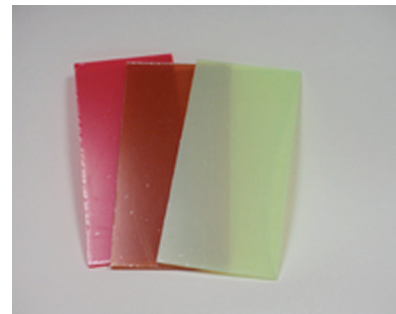
Sheet Size	THICKNESS		
	3/8"	1/2"	5/8"
12" x 12"	NP-NPLXSQ305N9	NP-NPLXSQ305N12	NP-NPLXSQ305N15
16" x 16"	NP-NPLXSQ406N09	NP-NPLXSQ406N12	NP-NPLXSQ406N15
48" x 48"	-	NPLEX12.5	

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PLASTIC

POLYDOR™

Polydor™ is a thermoplastic material designed for use in orthotic devices and is manufactured in the United States. There is Polyfilm protective masking on two sides.



COLOR: AMBER (*)

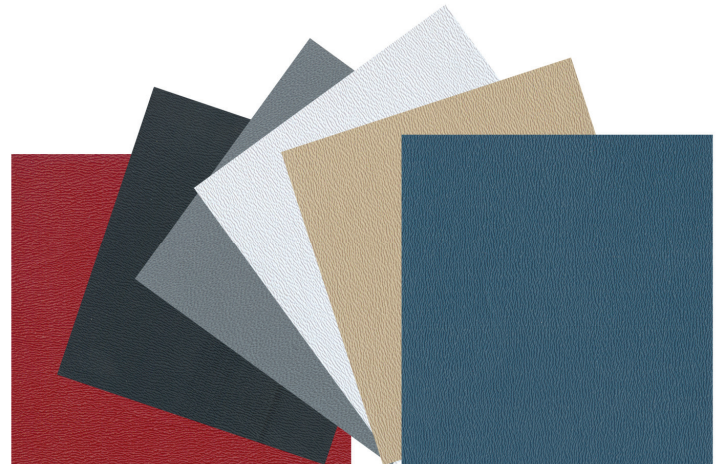
Ref	Thickness	Sheet Size
JM-693421	2 MM	5" x 9"
JM-693422	2.5 MM	5" x 9"
JM-6934301	3 MM	24" x 36"
JM-6934351	3.5 MM	24" x 36"
JM-6934451	4.5 MM	24" x 36"

(*) Other Colors non-stock items. Minimum quantity required.

PLASTIC

KYDEX® THERMOPLASTIC SHEETS

KYDEX® sheet is an extremely durable thermoplastic alloy extruded to withstand levels of abuse from moderate to extreme. It is available in grades to optimize long-term performance, appearance and cost effectiveness across demanding and diverse end-use applications. KYDEX® sheet is available in a range of standard colors, granite patterns, realistic wood grains and metallics.



KYDEX® has these other characteristics:

Impact Resistance

No other thermoplastic sheet stands up to impact, scratching, and gouging like KYDEX® sheet. Depending on grade, it offers outstanding notched Izod Impact resistance. Due to its high degree of toughness and resilience, KYDEX® sheet can be stretched at room temperature to twice its original dimension without breaking.

Dimensional Stability

Low water absorption, extreme formability, hot tear strength and the ability to maintain wall thickness give parts made with KYDEX® sheet high dimensional stability.

Flame Retardancy

Depending on grade, KYDEX® sheet carries fire ratings of UL 94 V-0 and 5V, UL 746C, FAR 25.853 (a) and (d), BS 476 (Parts 6 and 7), MVSS 302, Class 1/A and ASTM E-162.

Chemical Resistance

Sulfuric acid to brake fluid to carbon tetrachloride, high performance grades of KYDEX® thermoplastic alloys are more resistant to a wider range of concentrated chemicals than any other thermoplastic.

Cleanability

Tough stains, scuffs and graffiti can be removed from KYDEX® surfaces using strong cleansers with no staining, fading or surface damage.

Design Flexibility

KYDEX® sheet offers unprecedented design and manufacturing flexibility since numerous grades are available to provide properties and certified ratings required for specialized applications. An unlimited variety of flat and three-dimensional effects can be achieved since KYDEX® sheet can be thermoformed, membrane pressed, laminated, miter folded, post formed, brake formed and machined. This allows each part of multi-component products to be produced using the most efficient technique, yet match all other components in appearance, further expanding application possibilities.

SHEET SIZE: 24" x 48"		
Ref	Color	Thickness
AC-P50020402	Beige	1.5 MM
AC-P50020403	Beige	3 MM
AC-P50020405	Beige	5 MM
AC-P50020503	Blue	3 MM
AC-P50020602	Black	1.5 MM
AC-P50020603	Black	3 MM
AC-P50021103	Red	3 MM
AC-P50021203	Grey	3 MM
AC-P50021603	White	3 MM

SHEET SIZE: 48" x 96"		
Ref	Color	Thickness
AC-P50110403	Beige	3 MM
AC-P50110503	Blue	3 MM
AC-P50110603	Black	3 MM
AC-P50111603	White	3 MM