

IPI MATERIAL SPECIFICATIONS

TRADITIONALS • DESIGNER • ISOCHROMATICS • ARCHITECTURAL • CORPORATE • HIGH-TECH • HARDWEAR • ATTENTION GRABBERS • NIGHTLITES • BRUSHED SATINS

Material	Micro-surfaced ABS (except NIGHTLITES reverse surface) HARDWEAR: with Hardwear protective surface
Sheet size	24" x 48"; NIGHTLITES: 24" x 24"
Usage	Interior signage; Personal identification
Cutter	Rotating carbide; Non-rotating diamond (HIGH-TECH & HARDWEAR only); Laser (NIGHTLITES front surface only)
Cutting Depth	.003" ; BRUSHED SATINS: .007" ; NIGHTLITES Reverse Engraving Material: .022"
Fabrication	Scores; Shears; Heat bendable; No predrilling
Other Features	Bonds; Hot stamps; Silkscreens; Permits detailed engraving (except NIGHTLITES Reverse Engraving)

Products listed are readily available in 2-ply 1/16". Most products can be produced in 2-ply 1/32", 3/32" or 1/8", and 3-ply 1/16" or 1/8". Check with your distributor for specific details on availability and/or minimum order.

HARDWEAR PLUS • .005 ADVANTAGE EXTERIOR • CRYSTALS

Material	HARDWEAR PLUS: Micro-surfaced Centrex with Hardwear protective surface .005 ADVANTAGE EXTERIOR: .005" UV-stable colored surface of impact acrylic permanently fused to a UV-stable colored core for front engraving CRYSTALS: .005" UV-stable colored surface permanently fused to a clear UV-stable core for reverse engraving
Sheet size	24" x 48"
Usage	Interior/exterior signage; Personal identification
Cutter	Rotating carbide
Cutting Depth	HARDWEAR PLUS: .003" .005 ADVANTAGE EXTERIOR, CRYSTALS: .007"
Fabrication	HARDWEAR PLUS: Scores; Shears; Heat bendable; No predrilling .005 ADVANTAGE EXTERIOR, CRYSTALS: Saws; Shears; Heat bendable
Other Features	Bonds; Hot stamps; Silkscreens; UV stable; Permits detailed engraving

Products listed are readily available in 2-ply 1/16", or can be special ordered in 2-ply 1/8". Call for specific details on availability and/or minimum order.

LASERABLES • LASERABLES II • LASERTHINS • GOLD COAST • HEAVY METAL

Material	Micro-surfaced impact acrylic
Sheet size	24" x 48"
Usage	Interior signage; Personal identification; Exterior signage: 1/16" and 1/8" LASERABLES, .060" GOLD COAST, LASERTHINS (REVERSE only), HEAVY METAL (only as noted by **)
Cutter	Laser cut; Rotating carbide
Cutting Depth	LASERABLES II, LASERTHIN FRONT SURFACE: .003"; LASERABLES, GOLD COAST, HEAVY METAL, LASERTHIN REV.: .004"
Fabrication	Saws; Drills; Heat bendable
Other Features	Bonds; Hot stamps; Silkscreens; Permits detailed engraving UV stable: LASERABLES, HEAVY METAL (only as noted by **), .060" GOLD COAST, LASERTHINS (REVERSE only) Translucent version for backlighting available in 1/16" and 1/8" LASERABLES only

Products listed are readily available in 2-ply 1/16". Most products can be produced in 2-ply 1/32" or 1/8", and 3-ply 1/16" or 1/8". Check with your distributor for specific details on availability and/or minimum order.

REFLECTORS

Material	Micro-surfaced high-impact acrylic, 2-ply 1/16"
Sheet size	24" x 48"
Usage	Interior or exterior signage
Cutter	Rotating carbide engraving; Laser or rotary vector cut
Cutting Depth	.003"
Fabrication	Saws; Drills; Heat bendable
Other Features	Bonds; Hot stamps; Silkscreens; Permits detailed engraving

GEMSTONES

Material	.001" Micro-surfaced impact acrylic (interior) for reverse engraving
Finish	Gloss
Sheet size	12" x 24" (2-ply, 1/16")
Usage	Interior signage; Personal identification; Recognition
Cutter	Laser cut; Rotating carbide
Cutting Depth	.003"
Fabrication	Shears; Saws; Drills; Heat bendable; Can be beveled
Other Features	Designed for reverse engraving; Engraves "clear" for bright and easy color filling; Bonds; Hotstamps; Silkscreens; Permits fine detailed engraving

Color fill with latex water-base paint or IPI Acryfil only.

LAZRMIRRS

Material	.001" Micro-surfaced impact acrylic (interior) for reverse engraving
Finish	Gloss
Thickness	2-ply, 3/32" (0.098"); 2-ply, 1/32"
Sheet size	12 1/2" x 16 1/2" (12" x 16" finished)
Usage	Interior signage; Personal identification; Recognition; Advertising specialties; Point of purchase
Cutter	Laser cut; Rotating carbide
Cutting Depth	.005"
Fabrication	Saw; Lasercut; Rotating Carbide
Other Features	Designed for reverse engraving; Cut shapes; Silkscreens; Permits fine detailed engraving

Color fill with latex water-base paint or IPI Acryfil only.

LASERULTRATHINS

Material	Micro-surfaced pre-adhesive plastic
Sheet size	12" x 24"
Usage	Personal identification; industrial and commercial labeling
Cutter	Laser; rotary engravable
Cutting Depth	.002" for engraving; .006" for profiling
Fabrication	Cuts with a laser engraver or plotter
Other Features	UV-stable; Embosses; Ink & thermal prints; Sandblasts; Permits detailed engraving. Bonds to metals, plastics, rubbers, wood and foams

LASERTHINMAGNETICS

Material	Flexible micro-surfaced magnetic material
Sheet size	12" x 24"
Usage	Promotional magnets; Repositionable nameplates; Vehicle graphics
Cutter	Laserable (rotary engraving is not recommended)
Fabrication	Die-cuts; Cuts with a laser engraver, blade or plotter
Other Features	Ink & thermal prints; Sandblasts; Permits detailed engraving. Brushed Silver/Black and Black/Gold are UV-stable.