

Ultra-Mattes Front-Engravable

*in Stock



***3XX-204** White/Black
***3XX-402** Black/White
***3XX-512** Blue/White
***3XX-527** Blueberry/Gold
***3XX-562** Sapphire/White
***3XX-602** Red/White
***3XX-632** Ruby/White



***3XX-704** Yellow/Black
***3XX-842** Dark Brown/White
***3XX-932** Bright Green/White
***3XX-962** Teal/White
***3XX-992** Hunter Green/White
***3XX-384** Vintage Silver/Black
***3XX-774** Vintage Gold/Black

This is our standard material that we use for most orders unless you specify otherwise.
 It is heavy duty and well suited for most industrial and exterior applications.
 Non-stock colors can be ordered at additional cost.

Also available:

Not Ultra-Matte - yet exterior grade micro surface.



***LM922-604** Red/Black
***LM922-614** Orange/Black

Other available colors below are not normally stocked, but can be special ordered at an additional cost



3XX-205 White/Blue
3XX-206 White/Red
3XX-217 White/Gold
3XX-218 Sandalwood/Canyon
3XX-219 Sandalwood/Balsam
3XX-228 Ivory/Dark Brown
3XX-236 Cement/Garnet



3XX-238 Cement/Canyon
3XX-244 Ash/Cinder
3XX-246 Ash/Garnet
3XX-302 Charcoal Grey/White
3XX-312 Sea Grey/White
3XX-382 China Blue/White
3XX-392 Graphite/White



3XX-407 Black/Yellow
3XX-413 Cinder/Clay
3XX-417 Black/Gold
3XX-423 Black/Silver
3XX-432 Cinder/White
3XX-517 Blue/Yellow
3XX-542 Blueberry/White



3XX-592 Ocean Blue/White
3XX-595 Driftwood/Alpine
3XX-607 Red/Yellow
3XX-642 Garnet/Ash
3XX-662 Dusty Rose/White
3XX-794 Safety Yellow/Black
3XX-802 Taupe/White



3XX-814 Parchment/Black
3XX-823 Canyon/Cement
3XX-832 Beige/White
3XX-838 Beige/Dark Brown
3XX-862 Canyon/Ash
3XX-902 Black Forest Green/White
3XX-942 Balsam/Ash



3XX-972 Celadon Green/White



3XX-997 Hunter Green/Gold

Physical Properties	Typical Values	ASTM Method
IZOD Impact Strength		
Notched at 73°F (22.78°C)	1.10 ft lbs/in	D-256
Tensile Strength		
To break	5,500 psi	D-638
Elongation before break	50%	D-638
Flexural Strength		
Loan to stretch outer surface 5%	10,300 psi	D-790
Specific Gravity		
	1.15	D-792
Rockwell Hardness		
	M45	D-785
Deflection Temperature		
Temperature at which material deflects .010" (.254mm) at 264 psi	175°F (79.44°C)	D-648
Coefficient of Thermal Expansion		
Inch/inch/°F	5.6 x 10 ⁻⁵	D-696
Vicat Softening Point		
Temperature for needle to penetrate 1mm (90°F/hr, 2.2 lbs)	208°F (97.78°C)	D-1525
Temperature for needle to penetrate 1mm (90°F/hr, 11.0 lbs)	187°F (86.11°C)	D-1525

ULTRA-MATTES (FRONT) engraving material softens at about 200°F (93.33°C) sufficiently so that it can be bent as needed. It can be sawed, drilled and bonded, but not sheared. For best appearance, sawed edges should be buffed on material 1/8" (3.0mm) and thicker.

The base and cap materials were tested for flammability by Underwriters Laboratories. The base and cap materials are rated 94 HB on the UL 94 test.

Under the ASTM Standard G-155, Ultra-Mattes (front) engraving material was tested with a Xenon Arc Light Apparatus under specific, reproducible conditions. Testing resulted in no noticeable change in color after 300 hours of exposure to the Xenon Arc. Exposure to the Xenon Arc for 300 hours is supposedly the equivalent of approximately 3 years of exposure in a normal, mild climate, such as the Midwestern States of the United States.

This is not intended as a statement of warranty, rather a statement of general comparison.