M 3 LABELS

https://m3labels.com/

POLYESTER

HIGH HEAT
Holds print and adhesion under sustained heat. ✓+

CHEMICAL / SOLVENT
Acids, cleaners, fuels, solvents. ✓+

ABRASION
Tear-resistant; subsurface printing available. ✓+

UV / OUTDOOR
Built for long-term outdoor exposure. ✓+

ADHESIVE
Widest range of matched adhesives. ✓+

POLYCARBONATE

HIGH HEAT
Common on equipment that runs warm continuously. ✓

CHEMICAL / SOLVENT
Handles routine cleaners; weaker vs. strong solvents. +

ABRASION
Impact-resistant; subsurface print will not scuff. ✓+

UV / OUTDOOR
Stable outdoors on rigid, flat surfaces. ✓

ADHESIVE
Best on flat panels; stiff film can lift on curves. ✓

VINYL

HIGH HEAT
Softens and can shrink under sustained heat. ✗

CHEMICAL / SOLVENT
Moisture and mild chemicals; laminate raises it. +

ABRASION
Strong and flexible; laminate guards the print. +

UV / OUTDOOR
Commonly 3–7 years outdoors depending on exposure. +

ADHESIVE
Conforms to curved, textured, irregular surfaces. ✓+

PAPER

HIGH HEAT
Scorches and yellows. ✗

CHEMICAL / SOLVENT
Effectively no chemical resistance. ✗-

ABRASION
Exposed print wears where contact is routine. ✗

UV / OUTDOOR
Indoor use only. ✗-

ADHESIVE
Reliable on clean, dry indoor surfaces. +

THERMAL

HIGH HEAT
Direct thermal darkens; transfer on polyester holds. ✗

CHEMICAL / SOLVENT
Resin transfer on synthetic stock performs far better. ✗

ABRASION
Direct print abrades quickly; transfer is durable. ✗

UV / OUTDOOR
Direct thermal fades in light; short-term only. ✗

ADHESIVE
Standard permanent acrylics; removable available. +

Rating Scale: ✓+ = Excellent ✓ = Very Good + = Good ✗ = Limited ✗- = Not Recommended