

Part Finishing

## Precise and resistant: Laser marking on Hostaform® POM LM90 CF2008

### Laser marking on Hostaform® (POM):

- + Nd:YAG-laser and Excimer laser (UV) markable
- + Colored, light and dark marking possible
- + Labeling with excellent abrasion resistance
- + Clean solution since no waste products arise
- + First Nd:YAG-laser markable POM in natural color



Hostaform® (POM) is excellently suited for laser marking: Abrasion resistance is very good and there is no carbonization of the material thus permitting light and colored lettering on dark backgrounds.

Hostaform® POM LM90 CF2008 is the first Nd:YAG-laser markable polyacetal (POM) available in natural color. The imprint is dark gray. There are no limits to the marking – two-dimensional bar codes are also possible. A Nd: YAG-laser, that works especially fast, precisely and is less expensive than other models, is used.

## Hostaform® POM Laser Marking Portfolio

Laser type		Nd:YAG	UV Laser	
POM Grade Reference	Base Color	Mark Color	Mark Color	Comments
C9021 10/9005	Black	White		
C9021 10/9019	Black	White		FDA Approved
C9021 30/9010	Grey	White		
C9021 20/9001	White		Dark Grey	
C9021 10/9103	Near-black	Yellow		
LM90 CF2008	Natural	Dark Grey		NEW

**Hostaform® POM LM90** is an acetal copolymer with medium flowability comparable with the standard grade C 9021. Both grades are highly suited for abrasion resistant marking with a laser beam. The color of the lettering depends on the respective pigments selected.

- + High chemical resistance
- + Mechanical properties of Hostaform® family:  
Very good dimensional stability and impact strength
- + Very good shape retention under heat
- + No stress cracking
- + High resilience
- + Good lubricity
- + High size consistency
- + Recyclable

**Minimum effort for the best result:** Laser marking on Hostaform® POM is resistant, can be used flexibly and does not require modification in the injection molding process.

### Application examples

- Bar codes and two-dimensional bar codes
- Identification numbers for tracking
- Keyboards and switches
- Measuring scales



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