

LMM6018 Laser Marking Tape

Self-adhesive laser marking tape for creating permanent, high-contrast, high-resolution black markings on raw metal and anodized aluminum



Usage instructions :

- 1-Make sure that the surface to be marked is free and clear of oils, cleaning films and dust
- 2-Stick the black adhesive side down carefully. Smooth down gently with a finger to remove air bubbles and ensure uniform contact.
- 3-Adjust laser power and speed setting based on the chart on the back
- 4-Laser mark through the white paper backing of the tape
- 5-Peel away and discard excess tape. If tape remnants remain in the fine detail of your image, these can be removed by wiping with an alcohol-damp cloth
- 6-If having difficulty removing tape sample from card, use hair dryer to apply heat to release tape

Tape Notes: Black Marking, for Metal, comes in 1"x50", 2"x50 Ft or 3"x50 Ft Rolls

Certificate of Compliance: FERRO Inc. ("seller") warrants Cermark™ branded laser marking materials to be free from defects in materials and workmanship under normal use, and to have an effective shelf-life under normal use, for a period of Twelve (12) months from the date of invoice. The shelf-life will be longer if the product is kept in temperature control rooms.

Designing a Test Grid

The goal is to make a series of marks on the metal you want to laser that will vary from low heat to high heat. The grid should look something like the one shown in Figure A. In this grid, P denotes % Power and S denotes speed. The speed can also be started in inches or millimeters per second. Adjust your laser's settings to match the selected colors and then mark the substrate

After you have marked the object, you should observe a variety of marks that range from barely visible to slight destruction of the substrate as seen in the figure B After completion of the test grid, test the durability of marks using an abrasive kitchen pad. Review results and choose settings that give a durable mark without overpowering or damaging the object. See Figure A.

Reference your laser Owner's Manual to understand Color Mapping and how to adjust it.



Figure A.



Figure B