

# DuPont QM18

PLATINUM/SILVER CONDUCTOR

## Technical Data Sheet

### Product Description

DuPont QM18 platinum/silver conductor is part of the QM System of materials, a silver-based system for low-cost multilayers. QM18 can be used as both an inner layer and top layer conductor. It is also suitable for soldering and termination of resistors.

### Product Benefits

- Co-fireable/sequentially fireable w/DuPont QM44
- Excellent adhesion on DuPont QM44 and Alumina.

### Processing

#### Printing

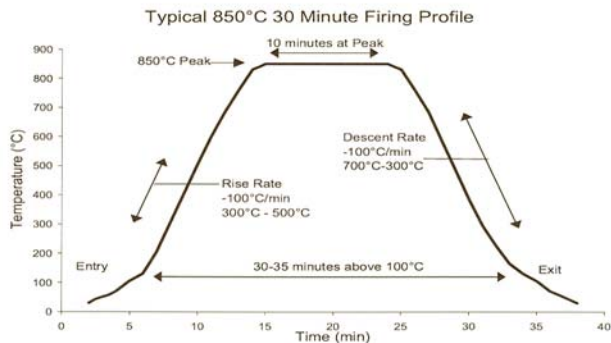
Print with 325 mesh stainless steel screens with 0.5 mil emulsion

#### Drying

Allow prints to Level for 10 minutes at room temperature, then dry for 15 min. at 150°C.

#### Firing

Firing is conducted in a belt furnace with standard 850°C/30 min. profile



## Typical Physical Properties

Test	Properties
Resistivity (mΩ/sq ) (@ 12 μm fired thickness)	<8
Line resolution (μm)	150
Adhesion: (N) Aged 150°C, 1000 hrs	>18
Composition Properties	
Viscosity (Pa.s)	140 - 170
Thinner	DuPont 4553
Solids[%]	80 - 83
Shelf Life [months]	6

This table shows anticipated typical physical properties for DuPont QM18 based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request.

### Storage and Shelf Life

Containers should be stored, tightly sealed, in a clean, stable environment at room temperature (<25°C). Shelf life of material in unopened containers is six months from date of shipment. Some settling of solids may occur and compositions should be thoroughly mixed prior to use.

## Safety and Handling

For Safety and Handling information pertaining to this product, read the Material Safety Data Sheet (MSDS).

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