

DuPont 6179T

PLATINUM/PALLADIUM/SILVER CONDUCTOR

Technical Data Sheet

Product Description

DuPont 6179T conductor (20:1:0.3 silver/palladium/platinum) is suitable for low-cost hybrid circuits or resistor networks.

Product Benefits

- Excellent aged adhesion
- Excellent thru-hole printability
- Good Solderability and excellent solder leach resistance.

Processing

Printing

DuPont 6179T prints easily using 325 mesh stainless steel screens with a 12-14 μm emulsion.

Drying

Allow prints to level for 5-10 minutes at room temperature. Then dry for 10-15 minutes at 150° C, in a well ventilated oven or belt dryer.

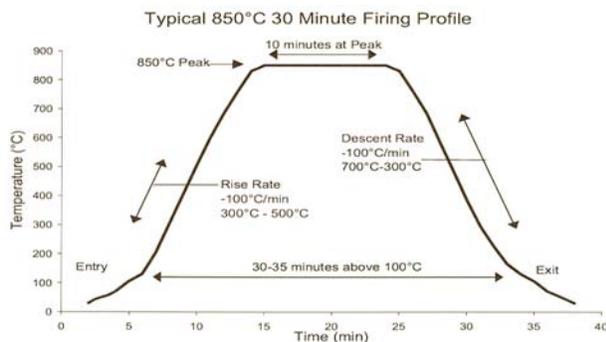
Firing

Fire in well ventilated moving conveyor furnace, in air with a 30 minute cycle to a peak temperature of 850°C.

Typical Physical Properties

Test	Properties
Resistivity (m Ω /sq) (μm)	$\leq 12 @ 15$
Fired Thickness [μm]	10 - 15
Aged Adhesion (N)	>25
Solder Leach Resistance [Number of 10 second dips in 62Sn/36Pb/2Ag Solder per micron of fired thickness]	0.6
Composition Properties	
Viscosity (Pa.S) (Brookfield HBT, 10 rpm #14 spindle&UC, 25°C)	200-300
Thinner	DuPont 4553
Shelf Life [months]	6

This table shows anticipated typical physical properties for DuPont 6179T 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).

For more information on DuPont 6179T or other DuPont Microcircuit Materials products, please contact your local representative:

Americas

DuPont Microcircuit Materials
14 T.W. Alexander Drive
Research Triangle Park, NC 27709
Tel.: 800-284-3382

Europe

Du Pont (U.K.) Limited
Coldharbour Lane
Bristol BS16 1QD
U.K.
Tel.: 44-117-931-3191

Asia

DuPont Kabushiki Kaisha
DuPont Electronic Center
KSP R&D B213, 2-1, Sakado 3-chome, Takatsu-ku,
Kawasaki-shi, Kanagawa, 213-0012, Japan
Tel: +81-44-820-7575

DuPont Taiwan Ltd
45, Hsing-Pont Road,
Taoyuan, Taiwan 330
Tel.: 886-3-377-3616

DuPont China Holding Co. Ltd
Bldg 11, 399 Keyuan Rd., Zhangji Hi-Tech Park,
Pudong New District, Shanghai 201203, China
Tel.: 86-21-6386-6366 ext.2202

DuPont Korea Inc.
3~5th Floor, Asia tower #726,
Yeoksam-dong, Gangnam-gu
Seoul 135-719, Korea
Tel.: 82-10-6385-5399

E. I. DuPont India Private Limited
7th Floor, Tower C, DLF Cyber Greens,
Sector-25A, DLF City, Phase-III,
Gurgaon 122 002 Haryana, India
Tel.: 91-124-4091818

Du Pont Company (Singapore) Pte Ltd
1 HarbourFront Place, #11-01
HarbourFront Tower One,
Singapore 098633
Tel.: 65-6586-3022

<http://mcm.dupont.com>

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