

DuPont 3571

BLEND MEMBER/DIELECTRIC

Technical Data Sheet

Product Description

Polymeric composition DuPont 3571 may be used as a blend member with DuPont 7082 and DuPont 7102 to achieve higher resistance values than DuPont 7082 or DuPont 7102 alone.

Product Benefits

- Blendable with DuPont 7102 and DuPont 7082 carbon conductors

Processing

- **Screen Printing Equipment**
Semiautomatic and manual
- **Substrates**
Polyester, polyimide, epoxy glass
- **Ink Residence Time on Screen**
> 2 hours
- **Screen Types**
Polyester, stainless steel
- **Cure Conditions**
120 - 130°C/5 minutes
- **Typical Thickness (after cure) Printed with 200 - 325mesh stainless steel screen**
0.5 - 1.0 mil

Table 1
Typical Physical Properties and Electrical Properties On Polyester Film

Test	Properties
Adhesion Crosshatch (B) (ASTM D3359-78) Dielectric to Polyester Scotch Tape #600 Conductor to Dielectric	No transfer (5)
Abrasion Resistance, Pencil Hardness(H) (ASTM D3363-74)	≥ 1
Operating Use Temperature (°C) (dependent on conductor)	≤ 90
Flexibility (180° crease over DuPont 5007)	No opens

Table 1 & 2 show anticipated typical physical properties for DuPont 3571 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).

Table 2
Composition Properties

Test	Properties
Viscosity (Pa.s) (Brookfield LVT, 6 rpm, #2 spindle, 25°C)	2.0 - 4.0
Solids (150°C) (%)	19 - 21
Coverage (cm ² /g) (Dependent on print thickness) 0.45 mil coating given by 280-mesh polyester	500
0.6 mil coating given by 230-mesh polyester	375
1.0 mil coating given by 280-mesh stainless steel	290
1.1 mil coating given by 200-mesh stainless steel	240
Thinner	DuPont 3610
Density, g/cm ²	1.09
Color	Colorless

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