




# Epiform F-6845ES

**TECHNICAL  
INFORMATION**

D-TI-0F6845ES-001-A  
May. 24. 2012

Epiform F-6845ES is an insulating epoxy resin powder, which is designed for insulating motors and other goods. It is applicable to Electrical Static Splay Coating, Fluidize Bed Coating and Hot Spray Coating, especially Electrical Fluidize Bed Coating.

## 1. Features

- Good heat resistance
- High edge coverage
- Good electrical resistance
- Good adhesive strength
- Fast curing
- Good Shelf Life

## 2. Powder Properties

Item	Value	Test Method
Appearance	Black	Visual Inspection
Gel Time (200°C)	12±5 sec	JIS C 2161
Flow Rate (200°C)	4±2 %	Horizontal Flow
Bulk Density	0.80±0.1 g/cm <sup>3</sup>	Tapping Method

## 3. Cured Properties

Item	Value	Test Method
Barcol Hardness(type935)	≥ 85	JIS K6911
Impact Strength (DuPont)	≥ 300mm	JIS C2161 6.35 φmm × 500g
Volume Resistivity	≥ 10 <sup>14</sup> Ω·cm	JIS C2161
Dielectric Breakdown Voltage	≥ 18kV/0.5mm	JIS C2161
Cut-Through Resistance	≥ 400°C	JIS C2161 Temp.Rise 3°C/min
Shear Strength	≥ 30MPa	JIS K6850
Edge Cover Rate	50~60 %	JIS C2161

Curing condition of the samples above : 200°C × 20min.

Figures described in this technical information are not guaranteed. These figures are subject to change without notice. Please contact us for further information.