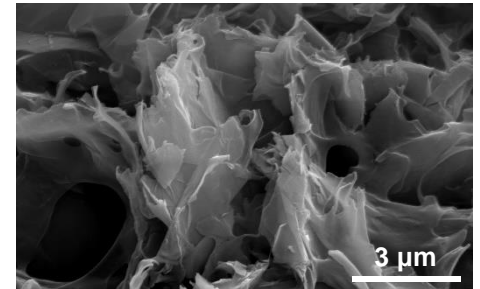
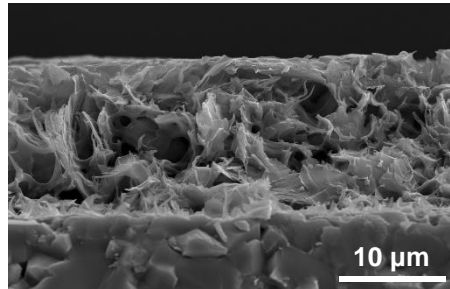
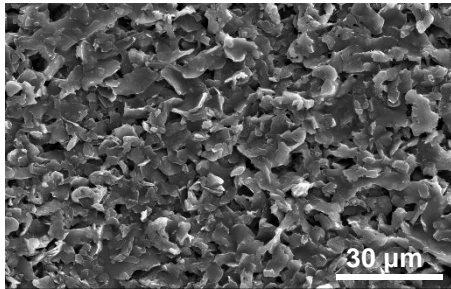
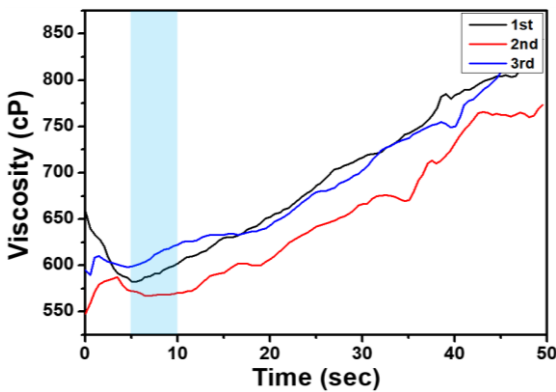


## Product Name: Hicon-V

### 1. SEM Image



### 2. Viscosity



#### A. Equipment

- Name of equipment: Viscometer
- Manufacturer: Thermo Electron(Germany)
- Model: Haake VT550

#### B. Measuring conditions

- Measurement Temp.: 25 °C
- Measurement Method: DIN 53019 / ISO 3219
- Share Rage:  $\gamma = 1000$  [1/s]

#### C. Results

Sample	1st	2nd	3rd	Average
<b>Hicon-V</b>	582.7	572.3	598.7	<b>584.6</b>

(unit: cP)

### 3. Sheet Resistance & Electrical Conductivity

#### A. Equipment

- Name of equipment: Low Resistivity Meter
- Manufacturer: Mitsubishi (Japan)
- Model: MCP-T610

#### B. Measuring conditions

- Measurement Temp: 23°C (laboratory temp.)
- Probe type: ASP type (standard value: 1.002 Ω, measured value: 1.003 Ω)
- Probe specification: 4 point, inter pin distance: 4mm, pin point: 2pi
- Measuring position: Random 5 point - RCF: 4.532 - Impressed voltage: 10 V
- Measuring range: 1.00E-03~9.00E+07Ω (up to 9.99E+07Ω)

#### C. Results

Sample	Thickness [cm]	1st	2nd	3rd	4th	5th	Average	Sheet Resistance [at 25μm]
<b>Hicon-V</b>	0.0030	2.84E-01	2.48E-01	2.24E-01	2.56E-01	2.30E-01	<b>2.49E-01</b>	<b>99.6Ω</b>

(unit: Ω·cm)

### 4. TGA Analysis

