

# PHACT™ CA8770P

PHACT CA8770P is an environment-friendly bio polymer which has excellent biodegradability. It is a compounded polymer based on Polylactic acid and Amorphous polyhydroxyalkanoate. PHACT CA8770P is appropriate for spun-bond and staple fiber to produce and apply to nonwoven applications.

## PROPERTIES OF PHACT CA8770P

| Properties                                 | Units             | ASTM No | CA8770P          |
|--|-------------------|---------|------------------|
| Forms                                      | -                 | -       | <b>Pellet</b>    |
| Specific Gravity                           | g/cm <sup>3</sup> | D792    | <b>1.23</b>      |
| Melt Flow Rate (190°C, 2.16Kg)             | g/10 min          | D1238   | <b>5 ~ 10</b>    |
| Melt Flow Rate (210°C, 2.16Kg)             | g/10 min          | D1238   | <b>20 ~ 40</b>   |
| Glass Transition Temperature <sup>1)</sup> | °C                | D3418   | <b>-19, 60</b>   |
| Crystalline Melt Temperature <sup>1)</sup> | °C                | D3418   | <b>165 ~ 175</b> |

1) Differential Scanning Calorimeter (DSC), peak of endotherm. Heating rate 10 °C/min.

## PROCESSING CONDITION FOR EXTRUSION FOR SPINNING PROCESS

|                  |                |                     |             |
|------------------|----------------|---------------------|-------------|
| Dry Temperature  | 60 °C X 12 hrs |                     |             |
| Feed Temperature | min. 160 °C    | Compression section | min. 180 °C |
| Melt Temperature | min. 170 °C    | Nozzle              | min. 190 °C |

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