

TECHNICAL DATA SHEET

PHACT™ CA8470P-S2

PHACT CA8470P-S2 is an environment-friendly semi-crystalline bio polymer which has excellent biodegradability. It is a compounded polymer based on Polylactic acid and Amorphous polyhydroxyalkanoate. PHACT CA8470P-S2 is suitable for the straw applications.

PROPERTIES OF PHACT™ CA8470P-S2

Properties		Units	ASTM No	PHACT™ CA8470P-S2
Forms		-		Pellet
Specific Gravity		-	D792	1.22
Melting Point¹		°C	D3418	148.6
Glass Transition Temperature¹		°C	D3418	52
Melt Flow Rate (190 °C, 2.16 kg)		g/10 min	D1238	6
Tensile Strength at Break²	MD TD	MPa	D882	44 29
Elongation at Break²	MD TD	%	D882	340 350

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

2) Film specimens conforms to ASTM D882. Crosshead speed 200 mm/min for mechanical properties.

PROCESSING CONDITION FOR EXTRUSION

Dry Temperature¹	60 °C X 8 hrs	Feed Throat	20 ~ 40 °C
Feed Temperature	100 ~ 120 °C	Compression section	160 ~ 165 °C
Melt Temperature	150 ~ 160 °C	Nozzle	160 ~ 165 °C

1) It is preferable to dry with air below -40°C dew point.

NOTICE

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