

PHACT™ CA8570P

PHACT CA8570P 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 CA8570P is appropriate for extrusion coating process applied to paper-based and nonwoven applications.

PROPERTIES OF PHACT CA8570P

Properties	Units	Test standard	CA8570P
Forms	-		Pellet
Specific Gravity	-	ASTM D792	1.23
Seal Strength	kgf/15 mm	ASTM F88	---
Melting Point ¹⁾	°C	ASTM D3418	169
Glass Transition Temperature ¹⁾	°C	ASTM D3418	-17, 57
Degradation Temperature ²⁾	°C	ASTM D3418	294
Melt Flow Rate (190°C, 2.16Kg)	%	ASTM D1238	12 ~ 14
Water resistance (Cobb value)	g/m ²	TAPPI T441	< 1

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

2) Thermogravimetric Analysis (TGA), Heating rate 20 °C/min.

PROCESSING CONDITION FOR EXTRUSION COATING

Dry zone Temperature	95 °C	*Dry zone temperature when using primer	
Feed Throat	20 ~ 40 °C		
Feed Temperature	160 ~ 190 °C	Compression section	190 ~ 210 °C
Melt Temperature	190 ~ 210 °C	Nozzle	190 ~ 210 °C

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