


Code	PRO_TDS_22	PRO TECHNICAL DATA SHEET TDS	
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SECTION 1: PRODUCT DESCRIPTION

FC 45142 is a compound made with Earth Renewable Technologies bio-based package developed for papercoating applications.

SECTION 2: PHYSICAL PROPERTIES & GUIDELINES

FC 45142 is supplied beige/white pellets. Temperatures during transportation and storage may not exceed 50°C. Storage time of unopened bags may not surpass 24 months at room temperature. Drying prior to processing is essential. A moisture content less than 100 ppm is recommended to prevent viscosity degradation. The property values listed below should be viewed as guidelines only and may vary based on processing conditions. No warranties of any kind, either expressed or implied are made regarding products described or regarding designs, data or information set forth. Process temperatures must not exceed 230°C.


Drying: dry the material for 4 – 6 hours at 80°C.

Coating process

	Settings, °F*	Settings, °C*
Feed Throat	70	21
Feed Section	350-375	177-191
Zone 1	375-395	191-200
Zone 2	375-395	191-200
Zone 3	375-395	191-200
Zone 4	375-395	191-200
Die	395-410	200-210
Screw Speed	40 – 100 ppm	

*These settings are intended as a starting point. Optimization may be required

Physical Properties*	Test Method	Value
Melt Flow Rate (190°C, 2.16 kg)	ASTM D1238:2013	1 – 5 g/10 min
Appearance	-	Beige

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Mechanical Properties*	Test Method	Value
Notched Izod Impact Strength	ASTM D256:10(2018)	23,6 J/m

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