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BIOGREENIC

Technical Data Sheet
(BP PAPERCOAT-NT)

Product Description :

BP PAPERCOAT-NT is a biobased compostable compound designed to replace conventional plastic materials for extrusion coating applications. It is designed to be processed at low temperatures to reduce the cost and increase the efficiency.

Product Properties :

Physical Properties			
Property	Test Method	Units	Results
Specific Gravity	ASTM D792	Gm/cm^3	1.27
Melt Flow MFR 190°C, 2.16 kg	ASTM D1238	Gm/10 min	4 – 8
Vicat Softening Point	ASTM D1525	°C	66.5

Coated Paper Properties			
Paperboard Thickness	internal	gsm	170
Coating Thickness	internal	gsm	23 to 25
Peel Strength	ASTM D903	gf/in	370
Seal Strength (130 °C | 3 bar | 0.3 sec)	ASTM F88	kg/cm	0.5 (fiber tear)
Water Vapor Transmission Rate (WVTR)	ASTM E398-03	gm/100in2. day	3.38
Grease Resistance	TAPPI T 559 cm-02	3M Kit Test	12+
Cobb Test (2 min)	TAPPI T 441 om-90	gm/m2	0.2

Applications :

BP PAPERCOAT-NT is suitable for coating paper substrates for the manufacturing of disposable cups, plates and other food service ware products.

Storage :

Recommended to be stored under a temperature of 35^{o}C in Dry conditions. To be kept away from direct sunlight.

Product features :

BP PAPERCOAT-NT extrusion coating grade provides excellent adhesion to paper and offers an exceptional print surface with good heat seal strength. It can be coated at lower coating thickness of 25 gm (20 microns) and has excellent processing performance on cup making machines used for LDPE coated board. The compound has been proven on both thermal and highspeed ultrasonic sealing machines. It is suitable for food contact including hot and cold applications, the material is compostable in nature and is made with upto 83% biobased content.