

Biocoat Data Sheet

Product Description

Biocoat is an eco-friendly coating for paper, paperboard, and moulded paper products. The product is made of a combination of biopolymers extracted from plants. Biocoat has excellent oxygen, water and oil barrier performance.

Properties	Value	Unit	Test Method/Standard
Biocoat suspension			
Color	Light brown	-	-
Product form	Water suspension	-	-
Odor	None	-	-
Viscosity	~1000	cp	Brookfield, S64, 50 RPM, RT
Biocoat film and coated paper			
Thickness, (Biocoat film)	5-10	µm	-
Grammage, (Biocoat film)	10-15	g/m ²	-
Cobb 1800 (Castor oil)	<1	g/m ²	TAPPI T441 (modified for testing oil)
Turpentine oil	Passed	No stain in 30 min.	TAPPI T454
Water absorption, 2 min. (Coated paper)	15.6	g/m ²	TAPPI T441, Cobb 120
Water absorption, 30 min. (Coated paper)	35.7	g/m ²	TAPPI T441, Cobb 1800
OTR, (Biocoat film)	0.96	cc/m ² .day @23°C, 50%RH	ASTM F1927
WVTR, (Biocoat film)	148.1	g/m ² .day @38°C, 50%RH	ASTM F1249
Tensile Strength (Coated paper)	79.6	MPa	TAPPI T404

Other Properties

Some of the terrific characteristics of biocoat are:

- 100% biobased
- Biodegradable, Repulpable, Compostable
- Durable and flexible coating