

## CLARUS BIO F 100 V

**Clarus BIO F 100 V** is an cellulose-based bio-film that is both home and industrial compostable.

**Clarus BIO F 100 V** can be sealed on both sides and has a coating to improve the water vapour barrier. It has antistatic, good aroma protection and good printability.



PROPERTY	TEST BASIS	TEST CONDITIONS	UNITS	THICKNESS VALUE			
Thickness	Internal		Micron	19μ	23μ	30μ	45μ
Yield	Internal		m <sup>2</sup> /kg g/m <sup>2</sup>	35.7 28.0	29.9 33.5	23.3 43.0	15.5 64.5
Permeability to: Water Vapor Oxygen	ASTM E96	38°C 90% RH	g/m <sup>2</sup> 24 hrs	20			
	ASTM F1927	23°C 0% RH 23°C 50% RH	cc/m <sup>2</sup> 24 hrs	1.0 10			
Optical: Gloss Haze (wide angle)	ASTM D 2457	45°	Units	105			
	ASTM D 1003	2.5°	%	5.5			
Coefficient of friction	ASTM D 1894	Static Dynamic		0.35 0.30			
Tensile strength	ASTM D 882		MN/ m <sup>2</sup>	MD TD	125 70		
Elongation at break	ASTM D 882		% % TD	22 70			
Elasticity modulus (1% secant)	ASTM D 882		MN/m <sup>2</sup>	MD TD	≥1200 ≥600		
Sealing strength	Internal	135°C: 0.5 secs 69IM/m2	G(f)25mm	225			

The technical specification is guaranteed for a period of 6 months from delivery.

The above information is given in good faith and is generally reliable. However, the customer will have to examine the suitability of the film for individual application. Hence no general or particular warranty for the applications of the film is offered by Clarus Films. The above information is liable to change due to innovation and improvement in the manufacturing process. Clarus Films assume no liability for any infringement of any patent, copyright or design on the part of the customer while exploiting the film for different end-uses.

Revision No.: 1

Date: 16.03.2021