

SULAPAC MATERIAL COMPARISON

Version date: 07.02.2022

Version: 1.3

Table 1: Material Properties

	SULAPAC MATERIAL							
	Premium	Premium Flex 40	Universal	Universal Flex 30		Universal Flex 35	Barrier	Flow
				High Flow	Low Flow			
Technology (Injection Molding / Extrusion)	IM	IM	IM	IM		IM	IM	EX
Bio-based %	100%	87%	100%	79%	78%	94%	98%	72%
MFI (190°C/2.16 kg)	N.A	N.A	15 g/10 min	12	2	8 g/10 min	12 g/10 min	1 g/10 min
				g/10 min				
Flexural Strain (%)	2,0%	2,2%	1,5%	2,6%	3,0%	2,6%	1,14%	-
Tensile modulus (GPa)	5.5	4.3	5.0	3.0	2.8	3.5	7	2.3
Tensile strain at break (%)	1.2	1.4	1.5	2.9	3.3	2.7	1.3	9
Wood chip size	Large	Large	Small	Small		Small	None	Fine
Object thickness recommendation, min.	2mm	2mm	0,6 – 1mm	0,6 – 1mm		0,6mm	0,5mm	0,3mm
Industrially compostable	✓	✓	✓	✓		✓	✓	✓
Food contact approved/conditions	Yes*	Yes*	Yes*	Yes*		Yes*	Yes*	Yes*
HDT-B (Heat deflection temperature)	56°C	56°C	55°C	54°C		54°C	-	54°C

Table 2: Suitability for Applications examples

	SULAPAC MATERIAL							
	Premium	Premium Flex 40	Universal	Universal Flex 30		Universal Flex 35	Barrier	Flow
				High Flow	Low Flow			
Cosmetics skincare packaging	X	X	X			X	X	
Color cosmetics								X
Supplement packaging	X		X			X	X	
Luxury packaging	X	X	X			X		
Straw								X
Cutlery			X	X				
Object thickness recommendation, min	2mm	2mm	0,6 - 1mm	0,6 – 1mm		0,6mm	0,5mm	0,3mm

Table 3: Material Certificates

		SULAPAC MATERIAL							
		Premium	Premium Flex 40	Universal	Universal Flex 30		Universal Flex 35	Barrier	Flow v1.7
					High Flow	Low Flow			
INDUSTRIAL COMPOSTABILITY	SEEDLING EN13432 / ASTM D6400					✓ EN13432 ASTM D6400			
	BPI ASTM D6400	✓	PENDING Q2/2022	✓ APPROVED Q1/2022	✓		✓ APPROVED Q1/2022	PENDING Q2/2022	✓ APPROVED Q1/2022
BIOBASED CARBON PERCENTAGE	BIO PREFERRED ASTM D6866	100%	87%	100%	79%	78%	94%	98%	72%
WOOD	FSC Mix <u>INS-COC-100087</u>	✓	✓						

Please contact us for further details.