

SULAPAC MATERIAL COMPARISON

Table 1: Material Properties

Sulapac recipe	Premium	Premium Flex 40	Universal	Universal Flex 35	Barrier	Flow
Technology (Injection Molding / Extrusion)	IM	IM	IM	IM	IM	EX
Bio-based %	100%	> 85%	100%	> 82%	> 98%	> 69%
Flexural Strain (%)	2,0%	2,2%	1,5%	2,6%	1,14%	-
Tensile modulus (GPa)	5.5	4.3	5.0	3.5	7	2.3
Tensile strain at break (%)	1.2	1.4	1.5	2.7	1.3	9
Wood chip size	Large	Large	Small	Small	None	Fine
MFI (190°C/2.16 kg)	N.A	N.A	15 g/10 min	8 g/10 min	12 g/10 min	1 g/10 min
Object thickness recommendation, min.	2	2	0,6	1	0,5	0,3
Industrially compostable	✓	✓	✓	✓	✓	✓
Food contact approved/conditions	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*
HDT (Heat deflection temperature)	56	56	55	54	-	-

Table 2: Suitability for Applications examples

Sulapac recipe	Premium	Premium Flex 40	Universal	Universal Flex 35	Barrier	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			
Object thickness recommendation, min	2mm	2mm	0,6mm	1mm	0,5mm	0,3mm