

MATERIAL COMPARISON CHART

21.08.2025 - Version 5.6

Table 1: Technical Properties

		TECHNICAL PROPERTIES									
		MFI 190°C/2.16 kg (g/10 min)	Flexural strain (%)	Tensile modulus (GPa)	Tensile Strain at yield (%)	HDT-B (°C)	Charpy impact strength (kJ/m²)	Material Density (g/cm³)	Shrinkage (%)	Mold Temperature (°C)	Wood chip size
SULAPAC MATERIALS	SULAPAC PREMIUM	N.A	2	4,9	1,2	56	6	1,27	0,2	20 - 40	Large
	SULAPAC UNIVERSAL	12	1,9	4,5	1,6	56	10	1,27	0,2	20 - 40	Small
	SULAPAC UNIVERSAL FLEX 30	12	2,7	3,0	2,7	56	12	1,27	0,3	20 - 40	Small
	SULAPAC UNIVERSAL FLEX 35	8	3,6	3,8	2,1	56	12	1,27	0,3	20 - 40	Small
	SULAPAC SOLID 2.0	22	1,3	7,8	1,3	135	16	1,4	0,15	>100	None
	SULAPAC LUXE	14	3	3,2	2,8	54	16	1,27	0,36	20 - 40	Fine
	SULAPAC LUXE FLEX	31	6,5	2,3	30	53	19	1,27	0,36	20 - 40	None
	SULAPAC BARRIER	12	1,1	8,7	1,1	150	9	1,49	1,0	60 – 70	None
	SULAPAC FLOW 1.7	3	4,5	2,1	3	55	33	1,26	N.A	-	Fine
	SULAPAC FLOW 1.8	3	4,5	2,1	3	54	33	1,26	N.A	-	Fine
SULAPAC SOFT	7	>6	0,3	230	-	NB	1,17	0,85	20 - 30	None	

Table 2: Verified Processing Methods

		VERIFIED PROCESSNG METHODS					
		Injection Molding	Extrusion	Thermoforming	3D Printing		Recommended Minimum Object Thickness (mm)
					Granules	Filament	
SULAPAC MATERIALS	SULAPAC PREMIUM	✓					2
	SULAPAC UNIVERSAL	✓					0,6 - 1
	SULAPAC UNIVERSAL FLEX 30	✓					0,6 - 1
	SULAPAC UNIVERSAL FLEX 35	✓					0,6 - 1
	SULAPAC SOLID 2.0	✓					0,6 - 1
	SULAPAC LUXE	✓					0,6 - 1
	SULAPAC LUXE FLEX	✓					0,6 - 1
	SULAPAC BARRIER	✓					0,5 - 1
	SULAPAC FLOW 1.7	✓	✓	✓	✓	✓	EX 0,2 / IM 0,6
	SULAPAC FLOW 1.8		✓				0,2
	SULAPAC SOFT	✓	✓		✓		EX 0,1 / IM 0,6

Table 3: Verified Applications

		VERIFIED APPLICATIONS							
		Cosmetic Jars and Caps	Make-up	Supplement Packaging	Luxury Packaging	Kitchen Ware	Straw	Cutlery	Point of Sale Displays
SULAPAC MATERIALS	SULAPAC PREMIUM	✓		✓	✓				
	SULAPAC UNIVERSAL	✓	✓	✓	✓			✓	
	SULAPAC UNIVERSAL FLEX 30							✓	
	SULAPAC UNIVERSAL FLEX 35	✓		✓	✓				
	SULAPAC SOLID 2.0	✓	✓		✓	✓			
	SULAPAC LUXE	✓	✓		✓				
	SULAPAC LUXE FLEX	✓	✓		✓				
	SULAPAC BARRIER	✓*		✓*					
	SULAPAC FLOW 1.7		✓				✓		✓
	SULAPAC FLOW 1.8		✓						
SULAPAC SOFT	✓	✓	✓	✓	✓				

* Inner layer of jar (2k jar or 4-part mold)

Table 4: Key Features

		KEY FEATURES					
		No Permanent Microplastics	Safe For People and The Planet	Sustainably Sourced	Mass Produducible	Industrially Compostable	Bio-Based %
SULAPAC MATERIALS	SULAPAC PREMIUM	✓	✓	✓	✓	✓	100 %
	SULAPAC UNIVERSAL	✓	✓	✓	✓	✓	100 %
	SULAPAC UNIVERSAL FLEX 30	✓	✓	✓	✓	✓	79 %
	SULAPAC UNIVERSAL FLEX 35	✓	✓	✓	✓	✓	87 %
	SULAPAC SOLID 2.0	✓	✓	✓	✓	✓	100 %
	SULAPAC LUXE	✓	✓	✓	✓	✓	87 %
	SULAPAC LUXE FLEX	✓	✓	✓	✓	✓	86 %
	SULAPAC BARRIER	✓	✓	✓	✓	✓	98 %
	SULAPAC FLOW 1.7	✓	✓	✓	✓	✓	72 %
	SULAPAC FLOW 1.8	✓	✓	✓	✓	✓	72 %
	SULAPAC SOFT	✓	✓	✓	✓	✓	55 %

Table 5: Material Certificates

		MATERIAL CERTIFICATES						
		Industrial Compostability				Bio-Based %	Non-GMO*	Wood
		Self-Declaration	BPI ASTM D6400	Seedling EN 13432 / ASTM D6400	OK Compost Industrial EN 13432	OK Compost Home	BioPreferred ASTM D6866	FSC Mix <u>INS-COC-100087</u>
SULAPAC MATERIALS	SULAPAC PREMIUM		✓				100 %	✓
	SULAPAC UNIVERSAL		✓				100 %	✓
	SULAPAC UNIVERSAL FLEX 30		✓	✓			79 %	✓
	SULAPAC UNIVERSAL FLEX 35		✓				87 %	✓
	SULAPAC SOLID 2.0		✓				100 %	✓
	SULAPAC LUXE	✓					87 %	✓
	SULAPAC LUXE FLEX				✓		86 %	**
	SULAPAC BARRIER		✓				98 %	✓
	SULAPAC FLOW 1.7		✓	✓			72 %	✓
	SULAPAC FLOW 1.8		✓	✓			72 %	✓
	SULAPAC SOFT				✓	✓	55 %	✓

* Virgin raw materials confirmed as non-GMO by manufacturers

** Non-GMO version available upon request