



Description of the Material:

Apium PP, Ø1,75 mm - High chemical resistance, low weight, post treatment possible, little warping, bio inert, translucent

Applications:

PP is a translucent polymer ideal for food and drug, packaging, chemical and biological applications

Materialproperties: Raw Material

	Conditions	Test Methodology	Unit	Value
Mechanical Properties				
Tensile Modulus	23 °C	ASTM D638	-	-
Tensile strength, Yeild	23 °C	ASTM D638	MPa	12
Elongation at break	23 °C	ASTM D638	%	>600
Flexural Modullus	23 °C	ASTM D790	MPa	402
Thermal Properties				
Melting Temperature			°C	205±15
Softening Temperature			°C	103
Decomposition Temperature			°C	-
Miscellaneous				
Density	Semi-Crystalline		g/cc	0.9
Elektric Properties				
Volume Resistivity	23° C	IEC 60093	Ωcm	-
Surface Resistance		IEC 60093	Ω/sq	-
Fire, Smoke and Toxicity				
Glow Wire Test	2 mm Thickness	IEC 60695-2-12	°C	-
Oxygen Index	0.4 mm Thickness	ISO 4589	% O ²	-
Toxicity Index	CO ² Content	NES 713	n/a	-
Flame Retardancy Class				-

Important remarks:

- 1) The data have been generated for Apium Additive Technologies in accordance with applicable national, international and internal standards and are intended for material comparison. Typical values may vary depending on part geometry and processing parameters.

For further information and detailed data please contact us.

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