



# SUSTAN Tertius 6310A

## Technical data sheet

### Description

SUSTAN Tertius 6310A is based on home compostable biopolymer and is modified with natural fibers into an extrusion and injection moulding grade.

Properties 24EF075 - Tertius 6310A	Unit (SI)	Value	Test method(s)
<b>Polymer properties</b>			
<b>Melt flow index (MFI)</b> at 190°C and 2.16 kg	g/10 min	2,4	ISO 1133
<b>Density</b>	g/cm <sup>3</sup>	1,2	ISO 1183
<b>Mechanical properties</b>			
<b>Tensile test</b>			ISO 527-2 1A
Maximum stress 50 mm/min	MPa	14	
Strain at break 50 mm/min	%	357	
Tensile modulus 1 mm/min	MPa	222	
<b>Impact test</b>			
Charpy unnotched	kJ/m <sup>2</sup>	10	ISO 179
Charpy notched	kJ/m <sup>2</sup>	10	ISO 179
Izod unnotched	kJ/m <sup>2</sup>	10	ISO 180
Izod notched	kJ/m <sup>2</sup>	10	ISO 180
<b>Moisture sorption</b>			
Moisture A	%	10	
Moisture B	%	10	
<b>Thermal properties</b>			
MFI			ISO 1133
Softening	°C	150	
Melt temperature	°C	190	
Heat softening temperature (H)	°C	190	ISO 1133
MFI 2	°C	190	ISO 1133
Wt loss	%	10	
Wt loss 2	%	10	ISO 1133