

Data sheet **NatureForm HT04a**

Our compound, **NatureForm HT04a** is a 100% bio-based* paper injection molding material. The unique formulation allows production on conventional injection molding machines as used in the plastics industry. The formulation consists of cellulose and chalk, among other ingredients, and gives the end product all the properties necessary for its application. This makes **NatureForm HT04a** a first-class competitor to conventional plastics.

Properties	Method	Unit	Value
MVR	ISO1133 (190°C/2,16kg)	cm ³ /10min	13
Tensile modulus	ISO 527	MPa	1550
Tensile strength	ISO 527	MPa	28
Elongation at break	ISO 527	%	4,1
Shore hardness	ISO 868	Shore A/D	92/51
Impact strength	ISO 179	kJ/m ²	2,3

Injection molding processing recommendations	
Predrying temperature	80°C
Predrying period	4 h
Maximum processing humidity	0,1%
Cylinder temperature	175 -190°C
Mold wall temperature	10 - 60°C

* ISCC Plus certified mass balance procedure.