



SUSTAN Fibrus rPP 1020

Technical data sheet

Description

SUSTAN Fibrus rPP 1020 is based on polypropylene sourced from post consumer packaging material and is upgraded with natural fibers into an injection moulding grade.

Properties 24EF075 - Fibrus rPP 1020	Unit (SI)	Value	Test method(s)
Polymer properties			
Melt flow index (MFI) at 190°C and 2.16 kg	g/10 min	3,0	ISO 1133
Density	g/cm ³	0,98	ISO 1183
Mechanical properties			
Tensile test			ISO 527-2 1A
Maximum stress 50 mm/min	MPa	21	
Strain at break 50 mm/min	%	5	
Tensile modulus 1 mm/min	MPa	2370	
Impact testing			
Charpy unnotched	kJ/m ²	10	ISO 179
Charpy notched	kJ/m ²	4	ISO 179
Izod unnotched	kJ/m ²	10	ISO 180
Izod notched	kJ/m ²	5	ISO 180
Moisture hardness			
Method A	Moist A	Out of measuring range	
Method B	Moist B	60	
Thermal properties			
MFI			ISO 1133-2
Softening	°C	161-162 161-161	
Melt temperature	°C	161-161,8 161-161,8	
Heat softening temperature (H)	°C	161-161	ISO 1135
MFI 4	°C	161,8	ISO 1133
Wt loss			
Wt loss 100	wt%	10	ISO 1135