



SUSTAN Fibrus rPE 2020

Technical data sheet

Description

SUSTAN Fibrus rPE 2020 is based on polyethylene sourced from post consumer packaging material and is upgraded with natural fibers into an extrusion and injection moulding grade.

Properties 24EF075 - Fibrus rPE 2020	Unit (SI)	Value	Test method(s)
Polymer properties			
Melt flow index (MFI) at 190°C and 2.16 kg	g/10 min	0,49	ISO 1133
Density	kg/m ³	1,03	ISO 1183
Mechanical properties			
Tensile test			ISO 527-2 1A
Maximum stress 50 mm/min	MPa	13	
Strain at break 50 mm/min	%	9	
Tensile modulus 1 mm/min	MPa	1541	
Impact test			
Charpy unnotched	kJ/m ²	20	ISO 179
Charpy notched	kJ/m ²	5	ISO 179
Izod unnotched	kJ/m ²	0	ISO 180
Izod notched	kJ/m ²	5	ISO 180
Shore hardness			
Shore D	Shore D	55	
Shore C	Shore C	50	
Thermal properties			
MFI			ISO 1133 2
Softening	°C	115-120	
Heat resistance	°C	115-120	
Heat softening temperature (H)	°C	11-100	ISO 1135
MFI 30	°C	30-35	ISO 1133
MI 30	g/10 min	100	ISO 1133