



TECHNICAL DATA SHEET

Product	OMNI POLYMERS MDPE BAS1000
Product no.	1000RM01
Base Polymer	Medium Density Polyethylene
Special Features	100% post-consumer recycled material
Filtration screen	230-260 µm
Forms	Granulate
Appearance	Grey
Processing method	Injection moulding
Application Area	Injection moulded parts, various

TYPICAL PROPERTIES AND CHARACTERISTICS

Physical Properties	Method	Unit	Value
MFI 190°C/2,16kg	ISO 1133	g/10 min	1.33
MFI 230°C/2,16kg	ISO 1133	g/10 min	3.45
Density	ISO 1183	g/cm ³	0.96
Ash content 600°C	ISO 3451-1A	%	2.0
Impact Properties			
Impact test Izod (notched) +23°C	ISO 180/A	kJ/m ²	13.9
Impact test Charpy (notched) +23°C	ISO 179-1/1eA	kJ/m ²	12.9
Tensile Properties			
Tensile strength modulus	ISO 527-2/1A/1	MPa	515
Tensile strength	ISO 527-2/1A/50	MPa	14.7
Tensile elongation at break	ISO 527-2/1A/50	%	431

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