

MAJ'ECO FE010E-8229

Technical DataSheet | Supplied by ADmajoris

MAJ'ECO FE010E-8229 by ADmajoris is a black colored, recyclable, impact modified, biodegradable, 90% C-biobased thermoplastic grade. Possesses renewable resource content. Is suitable for processing by injection molding. MAJ'ECO FE010E-8229 is recommended for caps, closures, household goods and packaging application.

Product Type	Unspecified Thermoplastic > Unspecified Thermoplastic, Bio-based
Physical Form	Pellets
Appearance	Black
Product Status	COMMERCIAL
Geographical Availability	Central and Eastern Europe, Western Europe
Applications/ Recommended for	Households products/ Consumer Goods Packaging > Food - Closures (lids, cap) Injection molding - thermoplastics
Biodegradable	Yes
Bio Based	Yes
Key Features	Impact modified Recyclable Renewable Resource Content Biodegradable

MAJ'ECO FE010E-8229 Properties

Physical	Value & Unit	Test Condition	Test Method
Specific Gravity	0.960 g/cm³		ISO 1183
Melt Mass-Flow Rate (MFR or MFI = Melt Flow Index or MI = Melt Index)	18 g/10 min	190°C, 2.16 kg	ISO 1133

Mechanical	Value & Unit	Test Condition	Test Method
Tensile Modulus	760 MPa		ISO 527-2/1
Tensile Strength	20.0 MPa	at Break	ISO 527-2/50
Flexural Modulus	670 MPa		ISO 178
Impact Strength, Unnotched Charpy	No break kJ/m ²	23°C	ISO 179/1eU
Tensile Strain	10 %	at Break	ISO 527-2/50
Flexural Strength	26.0 MPa	at Break	ISO 178
Impact Strength, Notched Charpy	5.2 kJ/m ²	23°C	ISO 179/1eA

Thermal	Value & Unit	Test Condition	Test Method
Heat Deflection Temperature (HDT)	74 °C	1.8 MPa, Unannealed	ISO 75-2/A

MAJ'ECO FE010E-8229 Processing Guidelines

Injection Molding	Value & Unit	Test Condition	Test Method
Processing (Melt) Temp	170 - 180 °C		
Mold Temperature	20 - 45 °C		
Holding Pressure	50 - 70 % of injection pressure		



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