

MAJ'ECO GN080BS

Technical DataSheet | Supplied by ADmajoris

MAJ'ECO GN080BS by ADmajoris is a recyclable, biodegradable thermoplastic grade reinforced with 20% carbon fiber. Possesses 20% biobased carbon content and 32% renewable resource content. Is suitable for processing by injection molding. Recommended for boxes, racks, containers and technical components. MAJ'ECO GN080BS complies with FDA 21 CFR 176.170(c), Table 1 & 2 and EU No 10/2011.

Product Type	Unspecified Thermoplastic > Unspecified Thermoplastic
Physical Form	Pellets
Product Status	COMMERCIAL
Geographical Availability	Central and Eastern Europe, Western Europe
Applications/ Recommended for	Households products/ Consumer Goods > Boxes & crates Injection molding - thermoplastics
Food contact approval	Yes
Biodegradable	Yes
Bio Based	Yes
Bio Based Content (%)	20
Labels/Agency Rating	EU No 10/2011 FDA 21 CFR 176.170(c), Table 1 & 2
Key Features	Biodegradable Food contact approved Recyclable Renewable Resource Content Filled, Carbon fiber

MAJ'ECO GN080BS Properties

Physical	Value & Unit	Test Condition	Test Method
----------	--------------	----------------	-------------

Melt Mass-Flow Rate (MFR or MFI = Melt Flow Index or MI = Melt Index)	54 g/10 min	230°C, 2.16 kg	ASTM D1238
Specific Gravity	1.00 g/cm ³		ASTM D792A
Linear Mold Shrinkage	1.0 - 1.6 %		Internal Method

Mechanical	Value & Unit	Test Condition	Test Method
Tensile Modulus	950 MPa		ASTM D638
Tensile Strength	21.0 MPa	at Yield	ASTM D638
Flexural Modulus	860 MPa		ASTM D790
Flexural Strength	25.0 MPa		ASTM D790
Tensile Elongation	2.5 %	at Break	ASTM D638

Flammability	Value & Unit	Test Condition	Test Method
Flame Rating, UL 94	HB		UL 94

Impact Properties	Value & Unit	Test Condition	Test Method
Gardner Impact	10.3 J		ASTM D 5420

MAJ'ECO GN080BS Processing Guidelines

Injection Molding	Value & Unit	Test Condition	Test Method
-------------------	--------------	----------------	-------------

Processing (Melt) Temp	170 - 200 °C
Mold Temperature	20 - 50 °C
Injection Rate	Moderate -
Holding Pressure	50 - 70 % of injection pressure
Drying Temperature	70 °C
Drying Time	4 hr



Help us improve the Universal Selector

You can't find what you are looking for? Please report missing products / suppliers, point out errors, or simply tell us how we could make the Universal Selector better.