

Product Texts

Compostable alternative to plastic.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	3	g/10min	ISO 1133
Temperature	210	°C	-
Load	2.16	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Stress at break	40	MPa	ISO 527
Strain at break	13	%	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	54	MPa	ISO 178
Charpy impact strength, +23°C	67	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8.4	kJ/m ²	ISO 179/1eA

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	46	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	75	°C	ISO 75-1/-2
Vicat softening temperature, B	62	°C	ISO 306

Other properties

	Value	Unit	Test Standard
Density	1290	kg/m ³	ISO 1183

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	2 - 3	h	-
Processing humidity	≤0.05	%	-
Melt temperature	210 - 220	°C	-
Mold temperature	55 - 60	°C	-
Feed temperature	40 - 50	°C	-
Zone 1	180 - 190	°C	-
Zone 2	190 - 200	°C	-
Zone 3	200 - 210	°C	-
Nozzle temperature	210 - 220	°C	-

Processing Recommendation Extrusion

	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	2 - 3	h	-
Processing humidity	≤0.05	%	-
Feed temperature	40 - 50	°C	-
Zone 1	200 - 215	°C	-
Zone 2	210 - 225	°C	-
Zone 3	215 - 230	°C	-
Nozzle temperature	215 - 230	°C	-

Characteristics**Processing**

Injection Molding, Film Extrusion, Sheet Extrusion

Certifications

Contains renewable resources, Biodegradable

Delivery form

Pellets, Natural Color

Applications

Packaging

Special Characteristics

Transparent

Regional Availability

North America, Europe, Asia Pacific