

Product Texts

Micro-granules, green.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.1	%	ISO 294-4, 2577
Molding shrinkage, normal	1.5	%	ISO 294-4, 2577

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Yield stress	75	MPa	ISO 527
Strain at break	41	%	ISO 527
Flexural modulus, 23°C	3300	MPa	ISO 178
Flexural modulus	5000	MPa	ISO 178
Flexural modulus temperature	-196	°C	-
Flexural strength	132	MPa	ISO 178
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A
Shore D hardness	80	-	ISO 7619-1
Other Standards^[5]			
Compressive Modulus	5400 ^[1]	MPa	ISO 604
Compressive Strength	250 ^[1]	MPa	ISO 604

1: -196°C S: These properties are reported by the producer according standards that are different to our defaults.

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	150	°C	ISO 11357-1/-2
Coeff. of linear therm. expansion, normal	48	E-6/K	ISO 11359-1/-2
Other Standards^[5]			
Thermal Conductivity, solid state	0.25	W/(m K)	ISO 22007-4

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties

	Value	Unit	Test Standard
Density	1400 ^[2]	kg/m ³	ISO 1183

2: Crystalline

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Mold temperature	170 - 200	°C	-
Feed temperature	100	°C	-
Zone 1	365	°C	-
Zone 2	370 - 375	°C	-
Zone 3	380	°C	-
Nozzle temperature	385	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion, Compression Molding

Delivery form

Pellets

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa