

Product Texts

Property	Value	Unit
Fine Particles Content	500 max.	ppm
Weight of 100 Granules	1.5	g

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	55	MPa	ISO 527
Yield strain	4	%	ISO 527
Stress at break	24	MPa	ISO 527
Strain at break	250	%	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Izod notched impact strength, +23°C	4.5	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	247	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	78	°C	ISO 11357-1/-2
Vicat softening temperature, B	77	°C	ISO 306
Coeff. of linear therm. expansion, parallel	83	E-6/K	ISO 11359-1/-2

Other properties	Value	Unit	Test Standard
Intrinsic Viscosity	0.76	dl/g	-
Acetaldehyde	1	ppm	-
Color b	1	-	CIE
Crystallinity	50	%	-
Moisture Content	0.4	%	-
Bulk density	880	kg/m ³	-

Material specific properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	88	cm ³ /g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	277	°C	-
Mold temperature	20	°C	-

Characteristics**Processing**

Injection Molding, Sheet Extrusion, Blow Molding, Thermoforming

Certifications

Food contact

Applications

Packaging

Regional Availability

Europe