

Product Texts

Partially bio-circular grade / Attributed via mass balance (according to ISCC PLUS Standard).

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	18	cm ³ /10min	ISO 1133
Temperature	240	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2550	MPa	ISO 527
Yield stress	65	MPa	ISO 527
Yield strain	4.2	%	ISO 527
Stress at break	49	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Flexural strength	101	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	37	kJ/m ²	ISO 179/1eA
Izod impact strength, +23°C	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	35	kJ/m ²	ISO 180/1A
Ball indentation hardness	133	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	87	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	96	°C	ISO 75-1/-2
Vicat softening temperature, B	103	°C	ISO 306
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E16	Ohm*m	IEC 62631-3-1
Surface resistivity	1E17	Ohm	IEC 62631-3-2

Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	260	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294
Injection Molding, injection velocity	240	mm/s	ISO 294

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	250 - 290	°C	-
Mold temperature	70 - 100	°C	-
Zone 1	235 - 260	°C	-
Zone 2	250 - 290	°C	-
Zone 3	250 - 290	°C	-
Nozzle temperature	250 - 290	°C	-
Back pressure	5 - 15	MPa	-

Characteristics

Processing

Injection Molding

Delivery form

Natural Color

Special Characteristics

Flame retardant

Certifications

Contains renewable resources, Recycled Resin Content, ISCC Plus

Applications

Electrical and Electronical

Regional Availability

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