

Product Texts

Carbon Footprint Reduction vs Fossil-Based (3rd party validated): 38 % (ISO 14044)

Post-Consumer Recycled ABS Content (RecyClass-certified): 50 %

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	33	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Yield stress	45	MPa	ISO 527
Yield strain	2.2	%	ISO 527
Nominal strain at break	6	%	ISO 527
Stress at break	38	MPa	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Flexural strength	70	MPa	ISO 178
Charpy impact strength, +23°C	80	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	70	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	18	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	8	kJ/m ²	ISO 179/1eA
Ball indentation hardness	85	MPa	ISO 2039-1

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	91 ^[ann.]	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	95 ^[ann.]	°C	ISO 75-1/-2
Vicat softening temperature, B	96	°C	ISO 306
ann.: annealed			

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183
Bulk density	600	kg/m ³	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	230 - 260	°C	-
Mold temperature	60 - 80	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Black

Features

High Gloss

Certifications

Recycled Resin Content

Applications

Electrical and Electronical, General Purpose, Packaging

Regional Availability

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