

Product Texts

Contains 10% Post-Consumer Recycled (PCR) plastic.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	48	cm ³ /10min	ISO 1133
Temperature	260	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.3	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	50	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Yield stress	58	MPa	ISO 527
Flexural modulus, 23°C	4100	MPa	ISO 178
Flexural strength	95	MPa	ISO 178
Izod notched impact strength, +23°C	3.8	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength at Yield	58.9	MPa	ASTM D 638
Tensile Strength at Break	49	MPa	ASTM D 638
Flexural Modulus	4561	MPa	ASTM D 790
Flexural Strength	94.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	36.3	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	95	°C	ISO 75-1/-2
Vicat softening temperature, A	81	°C	ISO 306
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	1.0	mm	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.991	mm	-
DTUL @ 264 psi	81.1	°C	ASTM D 648
Vicat Temperature	95	°C	ASTM D 1525

Electrical properties

	Value	Unit	Test Standard
ISO Data			
Surface resistivity	1E16	Ohm	IEC 62631-3-2
ASTM Data			
Surface Resistivity	1E16	Ohm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Density	1320	kg/m ³	ISO 1183
Density	1320	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 85	°C	-
Pre-drying - Time	2 - 4	h	-
Mold temperature	60 - 80	°C	-
Feed temperature	200 - 230	°C	-
Zone 1	230 - 260	°C	-

Nozzle temperature **220 - 250** °C -

Characteristics

Processing

Injection Molding

Special Characteristics

Flame retardant

Certifications

Recycled Resin Content

Regional Availability

Asia Pacific