

Durabio™ D7340

PC

Mitsubishi Chemical Performance Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	8	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Melt flow index, MFI	10	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2700	MPa	ISO 527
Tensile Strength	79	MPa	ISO 527
Strain at break	72	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Flexural strength	116	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	102	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	114	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	69	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	69	E-6/K	ISO 11359-1/-2

Optical properties	Value	Unit	Test Standard
ISO Data			
Luminous transmittance	92	%	ISO 13468-1, -2

Other properties	Value	Unit	Test Standard
Density	1360	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	5 - 7	h	-
Melt temperature	230 - 250	°C	-
Mold temperature	60 - 80	°C	-
Feed temperature	220 - 260	°C	-
Zone 1	220 - 260	°C	-
Nozzle temperature	220 - 260	°C	-
Screw speed	50	rpm	-
Injection pressure	50 - 95	MPa	-
Back pressure	10	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

Heat stabilized or stable to heat, Transparent

Certifications

Contains renewable resources

Applications

Automotive, Electrical and Electronical, Packaging, Sports Equipment

Regional Availability

North America, Europe, Asia Pacific

Features

Light Guiding