

**Durabio™ D5360**

PC

Mitsubishi Chemical Performance Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	10	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Melt flow index, MFI	13	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2300	MPa	ISO 527
Tensile Strength	64	MPa	ISO 527
Strain at break	130	%	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Flexural strength	94	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	82	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	92	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	73	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	73	E-6/K	ISO 11359-1/-2

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

Other properties	Value	Unit	Test Standard
Density	1310	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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**

High impact or impact modified, Transparent

**Certifications**

Contains renewable resources

**Applications**

Automotive, Electrical and Electronical, Packaging, Sports Equipment

**Regional Availability**

North America, Europe, Asia Pacific

**Features**

Light Guiding