

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	18	cm <sup>3</sup> /10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	2.2	%	ISO 294-4, 2577
Molding shrinkage, normal	2.1	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	3100	MPa	ISO 527
Stress at break	60	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	2700	MPa	ISO 178
Charpy impact strength, +23°C	70	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	65	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	4.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	4.5	kJ/m <sup>2</sup>	ISO 179/1eA
Ball indentation hardness	160	MPa	ISO 2039-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	223	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	65	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	165	°C	ISO 75-1/-2
Vicat softening temperature, B	190	°C	ISO 306
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	80	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Glow Wire Flammability Index (GWFI)	960	°C	IEC 60695-2-12
GWFI - thickness tested (1)	2	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Relative permittivity, 100Hz	3.5	-	IEC 62631-2-1
Relative permittivity, 1MHz	3.4	-	IEC 62631-2-1
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2
Electric strength	26	kV/mm	IEC 60243-1
Comparative tracking index	350	-	IEC 60112
<b>Other properties</b>			
Water absorption	0.45	%	Sim. to ISO 62
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1450	kg/m <sup>3</sup>	ISO 1183
<b>Material specific properties</b>			
<b>ISO Data</b>			
Viscosity number	105	cm <sup>3</sup> /g	ISO 307, 1157, 1628
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	120 - 140	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	260 - 265	°C	-
Mold temperature	75 - 95	°C	-

**CompaDur® 151 FR natural (010)**

PBT

DimeLika Plast GmbH

Zone 1	<b>250 - 265</b>	°C	-
Nozzle temperature	<b>260 - 265</b>	°C	-
Screw speed	<b>80</b>	rpm	-
Injection pressure	<b>60 - 100</b>	MPa	-
Back pressure	<b>1 - 3</b>	MPa	-
Holding pressure	<b>40 - 80</b>	MPa	-
Maximum residence time	<b>10</b>	min	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

**Delivery form**

Pellets, Natural Color

**Regional Availability**

Europe