

Multilon® R-2020

(PC+ABS)-GF10

Teijin Chemicals Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	7	cm ³ /10min	ISO 1133
Temperature	250	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	5600	MPa	ISO 527
Stress at break	100	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	5500	MPa	ISO 178
Flexural strength	135	MPa	ISO 178
Charpy impact strength, +23°C	32	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	10	kJ/m ²	ISO 179/1eA
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	126	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	138	°C	ISO 75-1/-2
Vicat softening temperature, B	132	°C	ISO 306
Coeff. of linear therm. expansion, parallel	30	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	60	E-6/K	ISO 11359-1/-2
Electrical properties			
ISO Data			
Surface resistivity	1E16	Ohm	IEC 62631-3-2
Other properties			
Density	1260	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	5 - 8	h	-
Melt temperature	240 - 270	°C	-
Mold temperature	50 - 70	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive

Regional Availability

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