

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	60 / *	cm ³ /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	1.7 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	2.1 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data			
Tensile Modulus	1800 / 700	MPa	ISO 527
Yield stress	50 / 32	MPa	ISO 527
Strain at break	>50 / >50	%	ISO 527
Flexural modulus, 23°C	1600 / 500	MPa	ISO 178
Charpy impact strength, +23°C	N / N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	50 / 80	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	30 / -	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	50 / 75	kJ/m ²	ISO 180/1A
Ball indentation hardness	95 / 65	MPa	ISO 2039-1
Thermal properties			
ISO Data			
Melting temperature, 10°C/min	221 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	55 / *	°C	ISO 75-1/-2
Vicat softening temperature, B	160 / *	°C	ISO 306
Coeff. of linear therm. expansion, parallel	130 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	160 / *	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	3.2 / *	mm	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	3.5 / 4.2	-	IEC 62631-2-1
Dissipation factor, 1MHz	180 / 1000	E-4	IEC 62631-2-1
Volume resistivity	1E13 / 1E10	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 1E13	Ohm	IEC 62631-3-2
Electric strength	30 / 24	kV/mm	IEC 60243-1
Comparative tracking index	600 / 600	-	IEC 60112
Other properties			
Water absorption	7 / *	%	Sim. to ISO 62
Humidity absorption	2.2 / *	%	Sim. to ISO 62
Density	1080 / -	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding

Delivery form

Granules, Black, Natural Color

Special Characteristics

High impact or impact modified

Applications

Automotive, Building Construction, Electrical and Electronical

Regional Availability

Europe