

DIMOND 03 1222U2 G02

(PC+ABS)

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	8	g/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	50	MPa	ISO 527
Stress at break	45	MPa	ISO 527
Strain at break	14	%	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Flexural strength	80	MPa	ISO 178
Izod notched impact strength, +23°C	22	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	106 ^[ann.]	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	70	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Burning rate, FMVSS, Thickness 1 mm	100	mm/min	ISO 3795 (FMVSS 302)

ann.: annealed

Other properties	Value	Unit	Test Standard
Density	1140	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	250 - 270	°C	-
Mold temperature	70 - 80	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Europe

Features

Scratch Resistant