

BOSI U 03ASE

ABS

MAIP SRL

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	19	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.7	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2300	MPa	ISO 527
Yield stress	45	MPa	ISO 527
Stress at break	45	MPa	ISO 527
Strain at break	25	%	ISO 527
Flexural modulus, 23°C	2450	MPa	ISO 178
Flexural strength	72	MPa	ISO 178
Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	18	kJ/m ²	ISO 180/1A
Rockwell hardness	R 104	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glass transition temperature, 10°C/min	72	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	81	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	87	°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)
Glow Wire Flammability Index (GWFI)	650	°C	IEC 60695-2-12
GWFI - thickness tested (1)	3	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E12	Ohm*m	IEC 62631-3-1

Other properties	Value	Unit	Test Standard
Density	1040	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85 - 90	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.1	%	-
Melt temperature	220 - 260	°C	-
Mold temperature	50 - 70	°C	-

Characteristics**Processing**

Injection Molding

Features

Tribologic Grade

Regional Availability

Europe