

# LONoy Ionoy 1600

Polycarbonate + PBT

Kingfa

## Message:

LONoy Ionoy 1600 is a polycarbonate polybutene terephthalate (PC PBT) material. This product is available in North America or Asia Pacific region. The processing method is injection molding.

The main features of LONoy Ionoy 1600 are:

- flame retardant/rated flame
- beautiful
- good weather resistance

Typical application areas include:

- Automotive Industry
- engineering/industrial accessories
- business/office supplies

General Information			
Features	Good weather resistance		
	Excellent appearance		
Uses	Industrial components		
	Car anti-collision bar		
	Car interior equipment		
	Car exterior decoration		
	Business equipment		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (23°C)	0.80 - 1.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.20	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	50.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	70	%	ASTM D638
Flexural Modulus <sup>3</sup>	2000	MPa	ASTM D790
Flexural Strength <sup>4</sup>	75.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.20 mm	100	J/m	ASTM D256
23°C, 3.20 mm	600	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	85.0	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	60.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (1.60 mm)	30	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	245 - 260	°C	
Middle Temperature	250 - 270	°C	
Front Temperature	250 - 270	°C	
Processing (Melt) Temp	245 - 270	°C	
Mold Temperature	70.0 - 90.0	°C	
Back Pressure	0.300 - 0.700	MPa	
Injection instructions			
Processing Temperature Limit: 280°C Injection Speed: 60 to 100%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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#### Recommended distributors for this material

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