

MARCOBLEND AU 2000 Sx Series

Polycarbonate

POLY GIN

Message:

MARCOBLEND AU2000 Sx is a middle light-reflective ratio with 10% glass fiber content ignition resistant Polycarbonate resin. The resin is Halogen free and compliance with TCO and RoHS certification. The unique characters include superior processability, appropriate light- reflective efficacy and suitable for use in IT mechanical parts and optical parts which include notebook, LCD TV and Monitor back-light frame.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Processability		
	Halogen Free		
	High Reflectivity		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	59.7	MPa	ASTM D638
Flexural Modulus	2890	MPa	ASTM D790
Flexural Strength	105	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	119	°C	ASTM D648
CLTE			ASTM D696
Flow	4.0E-5	cm/cm/°C	
Transverse	6.5E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Optical	Nominal Value	Unit	Test Method
Light Reflective Rate	65 to 95	%	ASTM E1104
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	3.0 to 4.0	hr	

Rear Temperature	250 to 270	°C
Middle Temperature	250 to 270	°C
Front Temperature	260 to 280	°C
Nozzle Temperature	260 to 280	°C
Mold Temperature	60.0 to 80.0	°C

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Recommended distributors for this material

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