

MARCOBLEND AU 5100

Polycarbonate

POLY GIN

Message:

MARCOBLEND AU5100 is a high light reflective rate and ignition resistant polycarbonate resin. The resin is Halogen free and compliance with TCO and RoHS certification. The unique characters include superior processability, high light reflective and suitable for use in notebook, LCD TV/ Monitor back light frame.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Processability		
	Good Stiffness		
	Halogen Free		
	High Reflectivity		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	24	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	56.0	MPa	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	118	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Optical	Nominal Value	Unit	Test Method
Light Reflective Rate	96	%	ASTM E1104
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	270 to 280	°C	
Middle Temperature	270 to 290	°C	
Front Temperature	270 to 290	°C	

Nozzle Temperature	280 to 300	°C
Mold Temperature	80.0 to 120	°C

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Recommended distributors for this material

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