

MARCOBLEND AU 111

Polycarbonate + PET
POLY GIN

Message:

MARCOBLEND AU 111 is an ignition resistant and glass fiber reinforced PC/PET Alloy resin. The resin is Halogen free and compliance with TCO and RoHS certification. The unique characters include superior processability, good stiffness, and excellent dimension stability and suitable for use in TFT LCD frame and internal structure parts.

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Dimensional Stability		
	Good Processability		
	Good Stiffness		
	Halogen Free		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	68.0	MPa	ASTM D638
Flexural Modulus	3310	MPa	ASTM D790
Flexural Strength	114	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			ASTM D648
0.45 MPa, Unannealed	145	°C	
1.8 MPa, Unannealed	127	°C	
CLTE			ASTM D696
Flow	4.2E-5	cm/cm/°C	
Transverse	6.6E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	3.0 to 4.0	hr	

Rear Temperature	230 to 250	°C
Middle Temperature	230 to 255	°C
Front Temperature	240 to 255	°C
Nozzle Temperature	245 to 260	°C
Mold Temperature	80.0 to 120	°C

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Recommended distributors for this material

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