

MARCOBLEND MBD7100

Polycarbonate + ABS

POLY GIN

Message:

MARCOBLEND MD7100 is an ignition resistant and glass fiber reinforced polycarbonate ABS 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,15% Filler by Weight		
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
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	26	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	79.0	MPa	ASTM D638
Flexural Modulus	3720	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	72	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	93.0	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating	V-0	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	230 to 245	°C	
Middle Temperature	240 to 255	°C	
Front Temperature	245 to 265	°C	
Nozzle Temperature	250 to 270	°C	
Mold Temperature	80.0 to 120	°C	

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Recommended distributors for this material

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