

MARCOBLEND 6000 A BK

Polycarbonate + ABS

POLY GIN

Message:

MARCOBLEND 6000 A BK is an ignition resistant polycarbonate/ABS resin.The resin is Halogen free and compliance with TCO and RoHS certification. The unique characters include superior processability, High gloss & anti-scratch grade good stiffness, and excellent dimension stability and suitable for use in TFT LCD frame and internal structure parts.

General Information			
Additive	Flame Retardant		
Features	Good Dimensional Stability		
	Good Processability		
	Good Stiffness		
	Halogen Free		
	High Gloss		
	Scratch Resistant		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (240°C/5.0 kg)	40	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	48.0	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	110	°C	
1.8 MPa, Unannealed	80.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	220 to 230	°C	

Middle Temperature	230 to 240	°C
Front Temperature	230 to 240	°C
Nozzle Temperature	245 to 255	°C
Mold Temperature	60.0 to 80.0	°C

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Recommended distributors for this material

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