

TEKALOY™ G70A3

Polycarbonate + ABS

Mando Advanced Materials Co., Ltd.

Message:

G70A3 is a PC/ABS alloy unreinforced with heat resistance.

General Information			
Features	Medium Heat Resistance		
Uses	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	57.9	MPa	ASTM D638
Tensile Elongation ² (Break)	> 100	%	ASTM D638
Flexural Modulus ³	2160	MPa	ASTM D790
Flexural Strength ⁴	78.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	115	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	220 to 280	°C	
Middle Temperature	220 to 280	°C	
Front Temperature	220 to 280	°C	
Nozzle Temperature	230 to 290	°C	
Processing (Melt) Temp	220 to 290	°C	
Mold Temperature	60.0 to 90.0	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	3.0 mm/min		
4.	3.0 mm/min		

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