

TEKALOY™ G70NHT

Polycarbonate + ABS

Mando Advanced Materials Co., Ltd.

Message:

G70NHT is a PC/ABS alloy. G70NHT has good properties with high flow, impact resistance, flame retardant and good processability.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Processability		
	High Flow		
	High Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	58.8	MPa	ASTM D638
Tensile Elongation ² (Break)	55	%	ASTM D638
Flexural Modulus ³	2450	MPa	ASTM D790
Flexural Strength ⁴	93.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	440	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	104	°C	
1.8 MPa, Unannealed	95.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	230 to 270	°C	
Middle Temperature	230 to 270	°C	
Front Temperature	230 to 270	°C	
Nozzle Temperature	240 to 280	°C	
Processing (Melt) Temp	240 to 280	°C	
Mold Temperature	80.0 to 100	°C	
NOTE			
1.	50 mm/min		

2.	50 mm/min
3.	3.0 mm/min
4.	3.0 mm/min

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Recommended distributors for this material

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