

Amodel® AT-6130 HS

Polyphthalamide
Solvay Specialty Polymers

Message:

Amodel AT -6130 HS is a 30% glass fiber reinforced and toughened poly (phthalamide) (PPA) resin with higher elongation than other 30% glass fiber reinforced Amodel resin. Specially developed for car snap-on electronic connectors. Good fluidity and short molding cycle. The process window is relatively wide, and the mold temperature can be as low as 150 °F (65°C). -black: AT-6130 HS BK 324
-natural color: AT-6130 HS NT

General Information	
UL YellowCard	E95746-253249
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight
Additive	Impact modifier
	heat stabilizer
	Lubricant
	demoulding
Features	Impact modification
	Low friction coefficient
	High strength
	Good liquidity
	Good chemical resistance
	Good wear resistance
	Heat resistance, high
	Hot water formability
	Thermal Stability
	Lubrication
Uses	Lawn and Garden Equipment
	Valve/valve components
	Industrial components
	Industrial application
	Machine/mechanical parts
	Metal substitution
	Connector
	Parts under the hood of a car
	Automotive Electronics
	Application in Automobile Field
	Fuel line
	General
	Shell

Bearing

RoHS Compliance		RoHS compliance		
Appearance		Black		
		Natural color		
Forms		Particle		
Processing Method		Water temperature mold injection molding		
Multi-Point Data		Isothermal Stress vs. Strain (ISO 11403-1)		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.34	--	g/cm ³	ISO 1183/A
Molding Shrinkage				ASTM D955
Flow	0.50	--	%	ASTM D955
Transverse flow	0.80	--	%	ASTM D955
Water Absorption (24 hr)	0.15	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9310	--	MPa	ISO 527-2
Tensile Strength				
Fracture	167	--	MPa	ASTM D638
Fracture	170	--	MPa	ISO 527-2
Tensile Elongation				
Fracture	3.2	--	%	ASTM D638
Fracture	3.3	--	%	ISO 527-2
Flexural Modulus				
--	7860	--	MPa	ASTM D790
--	7580	--	MPa	ISO 178
Flexural Stress				
--	225	--	MPa	ISO 178
Yield	236	--	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	13	--	kJ/m ²	ISO 179/1eA
Notched Izod Impact	130	--	J/m	ASTM D256
Unnotched Izod Impact	1400	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	298	--	°C	ISO 75-2/B
1.8 MPa, not annealed	276	--	°C	ISO 75-2/A
Melting Temperature				
--	310	--	°C	ISO 11357-3
--	306	--	°C	ASTM D3418
Injection	Dry	Unit		

Drying Temperature	121	°C
Drying Time	4.0	hr
Suggested Max Moisture	0.15	%
Rear Temperature	316 - 324	°C
Front Temperature	327 - 332	°C
Processing (Melt) Temp	321 - 335	°C
Mold Temperature	65.6 - 93.3	°C
Injection Rate	Fast	
Injection instructions		

射出压力:2~4英寸/秒(5-10厘米/秒)之间.保压压力调整为射出压力的1/2.

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