

Aegis® H50LN01

Polyamide 6

Honeywell

Message:

Aegis® H50LN01 is an unfilled low/medium viscosity nylon 6 homopolymer with lubrication & nucleating agents for injection molding applications exhibiting excellent melt flow properties for filling thin sections, mold release, and reduced cycle times. It exhibits good strength, stiffness, and toughness as well as excellent heat, chemical and abrasion resistance.

General Information			
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Features	Nucleated
	Rigid, good
	Homopolymer
	Workability, good
	Good liquidity
	Good strength
	Good wear resistance
	Good chemical resistance
	Heat resistance, high
	Good toughness
	Lubrication
	Medium and low viscosity

Forms	Particle
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Processing Method	Injection molding
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Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ASTM D1505
Moisture Content		%	ASTM D6869
Relative Viscosity	2.60		ASTM D789
Viscosity-FAV	49.0		ASTM D789

Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	220	°C	ASTM D3418

Additional Information			
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Extractable Content: <.9% using test method SOP-702-307

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Processing (Melt) Temp	240 - 280	°C
Mold Temperature	80.0 - 95.0	°C
Injection Pressure	3.45 - 10.3	MPa

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