

# AVP™ GY601CP

Polyamide 6  
SABIC Innovative Plastics

Message:

AVP™ GY601CP is a Polyamide 6 (Nylon 6) product. It can be processed by injection molding and is available in North America.  
Characteristics include:  
Good UV Resistance  
Heat Stabilizer  
UV Stabilized

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good UV Resistance		
	Heat Stabilized		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.3 to 1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Ultimate, 3.18 mm)	79.3	MPa	ASTM D638
Flexural Modulus <sup>2</sup> (3.18 mm, 50.8 mm Span)	2760	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	65.6	°C	ASTM D648
Melting Temperature	216	°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Shot Size	40 to 80	%	
Rear Temperature	199 to 227	°C	
Middle Temperature	216 to 254	°C	
Front Temperature	232 to 271	°C	
Nozzle Temperature	232 to 271	°C	
Processing (Melt) Temp	232 to 271	°C	

Mold Temperature	10.0 to 110	°C
Back Pressure	0.172 to 1.03	MPa
Screw Speed	50 to 150	rpm

NOTE		
1.	51 mm/min	
2.	1.3 mm/min	

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Recommended distributors for this material


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