

AVP™ GYY01CP

Polyamide 66
SABIC Innovative Plastics

Message:

AVP™ GYY01CP is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America.

General Information			
Features	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.3 to 1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Ultimate, 3.18 mm)	79.3	MPa	ASTM D638
Flexural Modulus ² (3.18 mm)	2480	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	76.7	°C	ASTM D648
Melting Temperature	249	°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	249 to 282	°C	
Middle Temperature	260 to 288	°C	
Front Temperature	271 to 304	°C	
Nozzle Temperature	271 to 304	°C	
Processing (Melt) Temp	271 to 304	°C	
Mold Temperature	65.6 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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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