

# AVP™ RYY13UVCP

Polyamide 66  
SABIC Innovative Plastics

Message:

AVP™ RYY13UVCP is a Polyamide 66 (Nylon 66) product filled with 13% glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Good UV Resistance

Heat Stabilizer

UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber,13% Filler by Weight		
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	1.22	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Ultimate, 3.18 mm)	103	MPa	ASTM D638
Flexural Modulus <sup>2</sup> (3.18 mm, 50.8 mm Span)	4480	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	37	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	232	°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.	5.1 mm/min	
2.	1.3 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT