

AVP® GYYHS
GE Polymerland - Polyamide 66

Friday, December 08, 2006

General Information		
General		
Material Status	<ul style="list-style-type: none">Commercial: Active	
Availability	<ul style="list-style-type: none">North America	
Test Standards Available	<ul style="list-style-type: none">ASTM	
Additive	<ul style="list-style-type: none">Heat StabilizerLubricantUV Stabilizer	
Features	<ul style="list-style-type: none">Heat StabilizedLubricatedUV Resistance, Good	
Forms	<ul style="list-style-type: none">Pellets	
Processing Method	<ul style="list-style-type: none">Injection Molding	
ASTM and ISO Properties ¹		
Physical	Nominal Value Unit	Test Method
Density -Specific Gravity	1.14 sp gr 23/23°C	ASTM D792
Mold Shrink, Linear-Flow	0.013 to 0.015 in/in	ASTM D955
Mechanical	Nominal Value Unit	Test Method
Tensile Strength,Ultimate ²	11500 psi	ASTM D638
Flexural Modulus (2.00 in Span) ³	360000 psi	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (73 °F, 0.125 in) ⁴	0.800 ft-lb/in	ASTM D256
Thermal	Nominal Value Unit	Test Method
DTUL @264psi - Unannealed (0.250 in)	170 °F	ASTM D648
Melting Point	480 °F	
Processing Information		
Injection	Nominal Value Unit	
Drying Temperature	180 °F	
Drying Time	2.0 hr	
Drying Time, Maximum	8.0 hr	
Suggested Shot Size	40 to 80 %	
Rear Temperature	480 to 540 °F	
Middle Temperature	500 to 550 °F	
Front Temperature	520 to 580 °F	
Nozzle Temperature	520 to 580 °F	
Processing (Melt) Temp	520 to 580 °F	
Mold Temperature	150 to 230 °F	
Back Pressure	25.0 to 150 psi	
Screw Speed	50 to 150 rpm	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min, 0.125 in

³ 0.050 in/min, 0.125 in

⁴ Method A



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