

# AVP™ GLT25CP

Polycarbonate + PET

SABIC Innovative Plastics

## Message:

AVP™ GLT25CP is a Polycarbonate + PET (PC+PET) product. It can be processed by injection molding and is available in North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E121562-100305642		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.18 mm)	56.5	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, 3.18 mm)	110	%	ASTM D638
Flexural Modulus <sup>3</sup> (3.18 mm)	2410	MPa	ASTM D790
Flexural Strength <sup>4</sup> (3.18 mm)	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	116	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ALL EXC NC)	HB		UL 94
Injection	Nominal Value	Unit	Test Method
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Shot Size	50 to 80	%	
Rear Temperature	254 to 268	°C	
Middle Temperature	254 to 268	°C	
Front Temperature	260 to 274	°C	
Nozzle Temperature	254 to 268	°C	
Processing (Melt) Temp	266 to 279	°C	
Mold Temperature	65.6 to 87.8	°C	
Back Pressure	0.172 to 0.345	MPa	
Screw Speed	25 to 50	rpm	
NOTE			

1.	51 mm/min
2.	51 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

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#### Recommended distributors for this material

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