

AVP™ RLL05CP

Polycarbonate
SABIC Innovative Plastics

Message:

AVP™ RLL05CP is a Polycarbonate (PC) product filled with 5.0% glass fiber. It can be processed by injection molding and is available in North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E121562-100305656		
Filler / Reinforcement	Glass Fiber,5.0% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.18 mm)	65.5	MPa	ASTM D638
Tensile Elongation ² (Break, 3.18 mm)	4.0	%	ASTM D638
Flexural Modulus ³ (3.18 mm)	2760	MPa	ASTM D790
Flexural Strength ⁴ (3.18 mm)	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	129	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (3.05 mm, BK)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Drying Time, Maximum	16	hr	
Rear Temperature	282 to 293	°C	
Middle Temperature	288 to 316	°C	
Front Temperature	288 to 316	°C	
Nozzle Temperature	288 to 316	°C	
Processing (Melt) Temp	288 to 316	°C	
Mold Temperature	71.1 to 93.3	°C	
Back Pressure	0.345 to 1.03	MPa	
NOTE			
1.	51 mm/min		
2.	51 mm/min		

3.	1.3 mm/min
4.	1.3 mm/min

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