

AVP™ KLL20CP

Polycarbonate
SABIC Innovative Plastics

Message:

AVP™ KLL20CP is a Polycarbonate (PC) product filled with 20% glass fiber. It can be processed by injection molding and is available in North America. Characteristics include:
Flame Rated
Flame Retardant

General Information			
UL YellowCard	E121562-296852		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.18 mm)	72.4	MPa	ASTM D638
Tensile Elongation ² (Break, 3.18 mm)	7.0	%	ASTM D638
Flexural Modulus ³ (3.18 mm)	5170	MPa	ASTM D790
Flexural Strength ⁴ (3.18 mm)	117	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	143	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, BLK)	V-1		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Drying Time, Maximum	6.0	hr	
Rear Temperature	288 to 299	°C	
Middle Temperature	294 to 321	°C	
Front Temperature	294 to 321	°C	
Nozzle Temperature	294 to 321	°C	

Processing (Melt) Temp	310 to 338	°C
Mold Temperature	82.2 to 116	°C
Back Pressure	0.345 to 1.38	MPa

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