

AVP™ KLL10CU

Polycarbonate
SABIC Innovative Plastics

Message:

AVP™ KLL10CU is a Polycarbonate (PC) product filled with 10% glass fiber. It can be processed by injection molding and is available in North America. Characteristics include:
Flame Rated
Flame Retardant
UV Stabilized

General Information			
UL YellowCard	E121562-296851		
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Flame Retardant		
	UV Stabilizer		
Features	Flame Retardant		
UL File Number	E134027		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.18 mm)	62.1	MPa	ASTM D638
Tensile Elongation ² (Break, 3.18 mm)	15	%	ASTM D638
Flexural Modulus ³ (3.18 mm, 50.8 mm Span)	3170	MPa	ASTM D790
Flexural Strength ⁴ (3.18 mm, 50.8 mm Span)	103	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)	138	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (2.29 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	6.0	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	304 to 332	°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 |

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