

AVP™ TLL06CU

Polycarbonate
SABIC Innovative Plastics

Message:

AVP™ TLL06CU is a Polycarbonate (PC) product. It can be processed by injection molding and is available in North America.
Characteristics include:
Eco-Friendly/Green
UV Stabilized

General Information			
Additive	UV Stabilizer		
Recycled Content	Yes		
Features	General Purpose		
	Low Flow		
Uses	General Purpose		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.18 mm)	58.6	MPa	ASTM D638
Tensile Elongation ² (Break, 3.18 mm)	110	%	ASTM D638
Flexural Modulus ³ (3.18 mm, 50.8 mm Span)	2310	MPa	ASTM D790
Flexural Strength ⁴ (3.18 mm, 50.8 mm Span)	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	127	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Drying Time, Maximum	16	hr	
Rear Temperature	299 to 321	°C	
Middle Temperature	310 to 332	°C	
Front Temperature	321 to 343	°C	

Nozzle Temperature	316 to 338	°C
Processing (Melt) Temp	321 to 343	°C
Mold Temperature	82.2 to 116	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	40 to 70	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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