

AVP™ TLL80CU

Polycarbonate
SABIC Innovative Plastics

Message:

AVP™ TLL80CU is a Polycarbonate (PC) product. It can be processed by injection molding and is available in North America.
Characteristics include:
Flame Rated
Good UV Resistance
High Flow
UV Stabilized

General Information			
UL YellowCard	E121562-100305663		
Additive	UV Stabilizer		
Features	Good UV Resistance		
	High Flow		
UL File Number	E134027		
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)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2340	MPa	ASTM D638
Tensile Strength ¹ (Yield, 3.18 mm)	58.6	MPa	ASTM D638
Tensile Elongation ² (Break, 3.18 mm)	75	%	ASTM D638
Flexural Modulus ³ (3.18 mm, 50.8 mm Span)	2410	MPa	ASTM D790
Flexural Strength ⁴ (3.18 mm, 50.8 mm Span)	93.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Reverse Notch Izod Impact (23°C, 3.18 mm)	2100	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
Flammability	Nominal Value	Test Method	
Flame Rating (1.52 mm)	V-2	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	

Drying Time	4.0	hr
Drying Time, Maximum	16	hr
Rear Temperature	249 to 271	°C
Middle Temperature	260 to 271	°C
Front Temperature	271 to 288	°C
Nozzle Temperature	266 to 282	°C
Processing (Melt) Temp	271 to 288	°C
Mold Temperature	71.1 to 93.3	°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 |

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