

AVP™ FLLS2CP

Polycarbonate
SABIC Innovative Plastics

Message:

AVP™ FLLS2CP is a Polycarbonate (PC) product. It can be processed by injection molding and is available in North America.
Characteristics include:
Flame Rated
Ductile
High Flow

General Information			
UL YellowCard	E121562-100305632		
Features	Ductile		
	High Flow		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	25	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)	15	%	ASTM D638
Flexural Modulus ³ (3.18 mm)	2280	MPa	ASTM D790
Flexural Strength ⁴ (3.18 mm)	96.5	MPa	ASTM D790
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 (1.50 mm, BK, GY, BG)	V-2	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	5.0	hr	
Drying Time, Maximum	16	hr	
Rear Temperature	255 to 266	°C	
Middle Temperature	260 to 271	°C	
Front Temperature	266 to 282	°C	
Nozzle Temperature	260 to 282	°C	
Processing (Melt) Temp	277 to 305	°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	

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