

AVP™ FLT25CP

Polycarbonate + PET

SABIC Innovative Plastics

Message:

AVP™ FLT25CP is a Polycarbonate + PET (PC+PET) product. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
UL YellowCard	E121562-100305634		
Additive	Flame Retardant		
Features	Flame Retardant		
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) (260°C/5.0 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60 to 0.90	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.18 mm)	49.6	MPa	ASTM D638
Tensile Elongation ² (Break, 3.18 mm)	90	%	ASTM D638
Flexural Modulus ³ (3.18 mm)	2210	MPa	ASTM D790
Flexural Strength ⁴ (3.18 mm)	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	116	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.52 mm, BK, WT, GY	V-0		
3.00 mm, BK, WT, GY	5VA		
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Drying Time, Maximum	12	hr	
Suggested Shot Size	50 to 80	%	
Rear Temperature	254 to 268	°C	
Middle Temperature	254 to 268	°C	
Front Temperature	260 to 274	°C	

Nozzle Temperature	254 to 268	°C
Processing (Melt) Temp	266 to 279	°C
Mold Temperature	65.6 to 87.8	°C
Back Pressure	0.172 to 0.345	MPa
Screw Speed	25 to 50	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

