

Bayblend® T85 SG

Polycarbonate + ABS

Covestro - Polycarbonates

Message:

(PC+ABS) blend; unreinforced; injection molding grade; Vicat/B 120 temperature = 130 °C; high melt flow; suitable for DirectCoating / DirectSkinning.

General Information			
Features	High Flow		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.15	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	15.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 2577
Across Flow : 260°C, 3.00 mm	0.55 to 0.75	%	
Flow : 260°C, 3.00 mm	0.55 to 0.75	%	
Water Absorption			ISO 62
Saturation, 23°C	0.60	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2300	MPa	ISO 527-2/1
Tensile Stress			
Yield, 23°C	55.0	MPa	ISO 527-2/50
Break, 23°C	54.0	MPa	ISO 527-2/5
Tensile Strain			
Yield, 23°C	4.9	%	ISO 527-2/50
Break, 23°C	> 50	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-30°C	40	kJ/m ²	
23°C	50	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
-30°C	No Break		
23°C	No Break		
Multi-Axial Instrumented Impact Energy			ISO 6603-2
-30°C	52.0	J	
23°C	46.0	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	128	°C	ISO 75-2/B
1.8 MPa, Unannealed	108	°C	ISO 75-2/A
Vicat Softening Temperature			
--	129	°C	ISO 306/B50
--	130	°C	ISO 306/B120
CLTE			ISO 11359-2
Flow : 23 to 55°C	7.5E-5	cm/cm/°C	
Transverse : 23 to 55°C	7.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+17	ohms	IEC 60093
Volume Resistivity (23°C)	1.0E+17	ohms·cm	IEC 60093
Electric Strength (23°C, 1.00 mm)	35	kV/mm	IEC 60243-1
Relative Permittivity			IEC 60250
23°C, 100 Hz	3.00		
23°C, 1 MHz	2.90		
Dissipation Factor			IEC 60250
23°C, 100 Hz	2.5E-3		
23°C, 1 MHz	9.0E-3		
Comparative Tracking Index (Solution A)	200	V	IEC 60112
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity ² (260°C)	255	Pa·s	ISO 11443-A
NOTE			
1.	150x105x3 mm, 80°C MT, 500 bar		
2.	1000/s		

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

