

VALOX™ V9260CS resin

Polyethylene Terephthalate

SABIC Innovative Plastics Asia Pacific

Message:

Color Stable Glass filled PET

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Good Color Stability		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (265°C/2.16 kg)	14.0	cm ³ /10min	ISO 1133
Molding Shrinkage			Internal Method
Flow : 3.20 mm	0.20 to 0.50	%	
Across Flow : 3.20 mm	0.50 to 0.80	%	
Water Absorption			ISO 62
Saturation, 23°C	0.27	%	
Equilibrium, 23°C, 50% RH	0.070	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9600	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield	155	MPa	
Break	155	MPa	
Tensile Strain			ISO 527-2/5
Yield	2.0	%	
Break	2.0	%	
Flexural Modulus ¹	9100	MPa	ISO 178
Flexural Stress	210	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	6.0	kJ/m ²	ISO 179/1eA
Notched Izod Impact Strength ³			ISO 180/1A
-30°C	6.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Unnotched Izod Impact Strength ⁴			ISO 180/1U
-30°C	35	kJ/m ²	
23°C	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	230	°C	ISO 75-2/Af

Vicat Softening Temperature			
--	230	°C	ISO 306/B50
--	235	°C	ISO 306/B120
CLTE			ISO 11359-2
Flow : 23 to 80°C	2.5E-5	cm/cm/°C	
Transverse : 23 to 80°C	1.0E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	120 to 130	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	
Hopper Temperature	40.0 to 60.0	°C	
Rear Temperature	250 to 270	°C	
Middle Temperature	260 to 280	°C	
Front Temperature	270 to 290	°C	
Nozzle Temperature	260 to 280	°C	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	90.0 to 120	°C	
NOTE			
1.	2.0 mm/min		
2.	80*10*4 sp=62mm		
3.	80*10*4		
4.	80*10*4		
5.	80*10*4 mm		

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