

VALOX™ 7062 resin

Polybutylene Terephthalate + PET

SABIC Innovative Plastics Europe

Message:

VALOX 7062 is Mineral filled PBT injection molding grade.

General Information			
UL YellowCard	E45329-100613345		
Filler / Reinforcement	Mineral		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.81	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (265°C/1.2 kg)	21.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (3.20 mm)	1.2 to 1.9	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	140	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4200	MPa	ISO 527-2/1
Tensile Stress (Break)	60.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	3900	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Taber Abrasion Resistance (1000 Cycles, 1000 g, CS-17 Wheel)	74.0	mg	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C ²	2.0	kJ/m ²	
23°C ³	2.0	kJ/m ²	
Notched Izod Impact			
-30°C	3.0	J/m	ASTM D256
23°C	3.0	J/m	ASTM D256
-30°C ⁴	3.0	kJ/m ²	ISO 180/1A
23°C ⁵	3.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	65.0	°C	ASTM D648
Vicat Softening Temperature	175	°C	ASTM D1525, ISO 306/B50, ISO 306/B120 ⁶
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
CLTE			ISO 11359-2

Flow : 23 to 80°C	9.0E-5	cm/cm/°C	
Transverse : 23 to 80°C	9.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant			ASTM D150
50 Hz	3.70		
60 Hz	3.70		
1 MHz	3.60		
Dissipation Factor			ASTM D150
50 Hz	2.0E-3		
60 Hz	2.0E-3		
1 MHz	0.015		
Comparative Tracking Index	475	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Glow Wire Flammability Index (3.20 mm)	650	°C	IEC 60695-2-12
NOTE			
1.	2.0 mm/min		
2.	80*10*3 sp=62mm		
3.	80*10*4 sp=62mm		
4.	80*10*4		
5.	80*10*4		
6.	Rate B (120°C/h), Loading 2 (50 N)		

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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

