

SABIC Innovative Plastics Valox[®] 7062 PBT+PET (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polyethylene Terephthalate (PET)

Material Notes:

Valox 7062 is Mineral filled PBT injection molding grade.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-7062-PBTPET-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.81 g/cc	0.0654 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.012 - 0.019 cm/cm @Thickness 3.20 mm	0.012 - 0.019 in/in @Thickness 0.126 in	SABIC Method
Melt Index of Compound	21 g/10 min @Load 1.20 kg, Temperature 265 °C	21 g/10 min @Load 2.65 lb, Temperature 509 °F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, H358/30	140 MPa	20300 psi	ISO 2039-1
Tensile Strength at Break	60.0 MPa	8700 psi	5 mm/min; ISO 527
Elongation at Break	3.0 %	3.0 %	5 mm/min; ISO 527
Tensile Modulus	4.20 GPa	609 ksi	1 mm/min; ISO 527
Flexural Yield Strength	100 MPa	14500 psi	2 mm/min; ISO 178
Flexural Modulus	3.90 GPa	566 ksi	2 mm/min; ISO 178
Izod Impact, Notched	0.0300 J/cm	0.0562 ft-lb/in	ASTM D256
	0.0300 J/cm @Temperature -30.0 °C	0.0562 ft-lb/in @Temperature -22.0 °F	ASTM D256
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	80*10*4; ISO 180/1A
	3.00 kJ/m ² @Temperature -30.0 °C	1.43 ft-lb/in ² @Temperature -22.0 °F	80*10*4; ISO 180/1A
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA
	0.200 J/cm ² @Temperature -30.0	0.952 ft-lb/in ² @Temperature -22.0	Edgew 80*10*3 sp=62mm; ISO 179/1eA

Mechanical Properties	°C Metric	°F English	Comments
Taber Abrasion, mg/1000 Cycles	74	74	CS-17, 1 kg; SABIC Method

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	50.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 80.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 176 $\text{Å}^\circ\text{F}$	
CTE, linear, Transverse to Flow	90.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	50.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ISO 11359-2
	@Temperature 23.0 - 80.0 $\text{Å}^\circ\text{C}$	@Temperature 73.4 - 176 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	65.0 $\text{Å}^\circ\text{C}$	149 $\text{Å}^\circ\text{F}$	unannealed; ASTM D648
	@Thickness 3.20 mm	@Thickness 0.126 in	
Vicat Softening Point	175 $\text{Å}^\circ\text{C}$	347 $\text{Å}^\circ\text{F}$	Rate B/50; ASTM D1525
	175 $\text{Å}^\circ\text{C}$	347 $\text{Å}^\circ\text{F}$	Rate B/50; ISO 306
	175 $\text{Å}^\circ\text{C}$	347 $\text{Å}^\circ\text{F}$	Rate B/120; ISO 306
Flammability, UL94	HB	HB	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	UL 94
	@Thickness 3.00 mm	@Thickness 0.118 in	
Glow Wire Test	650 $\text{Å}^\circ\text{C}$	1200 $\text{Å}^\circ\text{F}$	IEC 60695-2-12
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.6	3.6	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
	3.7	3.7	ASTM D150
	@Frequency 50.0 - 60.0 Hz	@Frequency 50.0 - 60.0 Hz	
Dissipation Factor	0.0020	0.0020	ASTM D150
	@Frequency 50.0 - 60.0 Hz	@Frequency 50.0 - 60.0 Hz	
	0.015	0.015	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Electrical Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Ball Pressure Test, 125Â°C +/- 2Â°C		PASSES	IEC 60695-10-2

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China