

SABIC Innovative Plastics Valox® CS860 PBT+PET (Asia Pacific)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + PET Blend, Glass Filled , Polyethylene Terephthalate (PET)

Material Notes:

30% glass reinforced PBT+PET blend. Color stable, FR. Housewares, appliances; iron skirt, oven trim/panels. This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-CS860-PBTPET-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.73 g/cc	1.73 g/cc	ASTM D 792
Linear Mold Shrinkage, Flow	0.0020 - 0.0030 cm/cm	0.0020 - 0.0030 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0060 cm/cm	0.0050 - 0.0060 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	45 g/10 min	45 g/10 min	ASTM D 1238
	@Load 5.00 kg, Temperature 266 °C	@Load 11.0 lb, Temperature 511 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	Type I, 5 mm/min; ASTM D 638
Tensile Strength, Yield	108 MPa	15700 psi	Type I, 5 mm/min; ASTM D 638
Elongation at Break	3.1 %	3.1 %	Type I, 5 mm/min; ASTM D 638
Tensile Modulus	6.20 GPa	899 ksi	5 mm/min; ASTM D 638
Flexural Strength	155 MPa	22500 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	8.27 GPa	1200 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D 256
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched	5.34 J/cm	10.0 ft-lb/in	ASTM D 4812
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Thermal Properties	212 Â°C Metric	414 Â°F English	Comments
Thermal Deflection Temperature at 0.46 MPa (66 psi)	@Thickness 6.40 mm	@Thickness 0.252 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa (264 psi)	187 Â°C @Thickness 6.40 mm	369 Â°F @Thickness 0.252 in	unannealed; ASTM D 648
UL RTI, Electrical	130 Â°C	266 Â°F	UL 746B
UL RTI, Mechanical with Impact	130 Â°C	266 Â°F	UL 746B
UL RTI, Mechanical without Impact	140 Â°C	284 Â°F	UL 746B
Flammability, UL94	V-0 @Thickness 0.760 mm	V-0 @Thickness 0.0299 in	UL 94
	5VA @Thickness 2.99 mm	5VA @Thickness 0.118 in	UL 94

Electrical Properties	Metric	English	Comments
Arc Resistance	120 - 180 sec	120 - 180 sec	Tungsten, PLC code 5; ASTM D 495
Comparative Tracking Index	175 - 250 V	175 - 250 V	PLC code 3; UL 746A
Hot Wire Ignition, HWI	>= 120 sec	>= 120 sec	PLC code 0; UL 746A
High Amp Arc Ignition, HAI	>= 120 arcs	>= 120 arcs	surface, PLC code 0; UL 746A
High Voltage Arc-Tracking Rate, HVTR	>= 150 mm/min	>= 5.91 in/min	PLC code 4; UL 746A

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