

## SABIC Innovative Plastics Valox<sup>®</sup> 337 PBT

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

### Material Notes:

Low temperature impact PBT. Automotive applications: underhood power distribution boxes and covers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-Innovative-Plastics-Valox-337-PBT.php](http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-337-PBT.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Water Absorption	0.10 %	0.10 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Viscosity	1.20e+6 cP	1.20e+6 cP	Melt Viscosity; SABIC Method
Linear Mold Shrinkage, Flow	0.024 - 0.027 cm/cm	0.024 - 0.027 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.024 - 0.027 cm/cm	0.024 - 0.027 in/in	SABIC Method
	@Thickness 3.20 mm	@Thickness 0.126 in	
Melt Flow	12.7 g/10 min	12.7 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 250 Å°C	@Load 11.0 lb, Temperature 482 Å°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.0 MPa	5660 psi	Type I, 50 mm/min; ASTM D638
Elongation at Yield	3.9 %	3.9 %	Type I, 50 mm/min; ASTM D638
Flexural Yield Strength	56.0 MPa	8120 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	1.79 GPa	260 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	8.70 J/cm	16.3 ft-lb/in	ASTM D256
	8.01 J/cm	15.0 ft-lb/in	
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	ASTM D256
Izod Impact, Unnotched	32.04 J/cm	60.02 ft-lb/in	ASTM D4812
	32.04 J/cm	60.02 ft-lb/in	
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	ASTM D4812

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	98.0 Å°C @Thickness 6.40 mm	208 Å°F @Thickness 0.252 in	unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	47.0 Å°C @Thickness 6.40 mm	117 Å°F @Thickness 0.252 in	unannealed; ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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