

SABIC Innovative Plastics Valox[®] 308 PBT

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

Material Notes:

PBT, For compounding only. Not intended for Injection Molding. Melt viscosity: 250C at 21.6 kgf is 3500-4500. This data was supplied by SABIC-IP for the Americas region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-308-PBT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D 792
Viscosity	400000 cP	400000 cP	melt; SABIC Method
Linear Mold Shrinkage, Flow	0.019 - 0.021 cm/cm @Thickness 3.20 mm	0.019 - 0.021 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.020 - 0.022 cm/cm @Thickness 3.20 mm	0.020 - 0.022 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	54.0 MPa	7830 psi	Type I, 50 mm/min; ASTM D 638
Tensile Strength, Yield	33.0 MPa	4790 psi	Type I, 50 mm/min; ASTM D 638
Elongation at Break	127 %	127 %	Type I, 50 mm/min; ASTM D 638
Flexural Yield Strength	77.0 MPa	11200 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	2.15 GPa	312 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	0.640 J/cm @Temperature 23.0 Â°C	1.20 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256
Izod Impact, Unnotched	20.29 J/cm @Temperature 23.0 Â°C	38.01 ft-lb/in @Temperature 73.4 Â°F	ASTM D 4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 Â°C @Thickness 3.20 mm	239 Â°F @Thickness 0.126 in	unannealed; ASTM D 648
Deflection Temperature at 1.8 MPa	45.0 Â°C	113 Â°F	

(264 psi)
Thermal Properties

Metric
@ Thickness 3.20 mm

English
@ Thickness 0.126 in

unannealed; ASTM D 648
Comments

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