

SABIC Innovative Plastics Valox[®] VAC7041 ABS+PBT+PET (Asia Pacific)

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

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-VAC7041-ABSPBTPET-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.56 g/cc	1.56 g/cc	ASTM D792
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm @Thickness 3.20 mm	0.0010 - 0.0030 in/in @Thickness 0.126 in	SABIC Method
	0.0040 - 0.0060 cm/cm @Thickness 6.40 mm	0.0040 - 0.0060 in/in @Thickness 0.252 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	114 MPa	16500 psi	SABIC - Japan Method
Elongation at Break	8.0 %	8.0 %	SABIC - Japan Method
Flexural Strength	136 MPa	19700 psi	ASTM D790
Flexural Modulus	10.39 GPa	1507 ksi	ASTM D790
Izod Impact, Notched	0.690 J/cm	1.29 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	16.7 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	TMA
Deflection Temperature at 0.46 MPa (66 psi)	202 $\text{Å}^\circ\text{C}$ @Thickness 3.20 mm	396 $\text{Å}^\circ\text{F}$ @Thickness 0.126 in	unannealed; ASTM D648

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